

ADMINISTRATION REPORT

ON THE

RAILWAYS IN INDIA

го Стпе

Calendar year 1905

BY

THE RAILWAY BOARD.



Dated the 23rd May 1906

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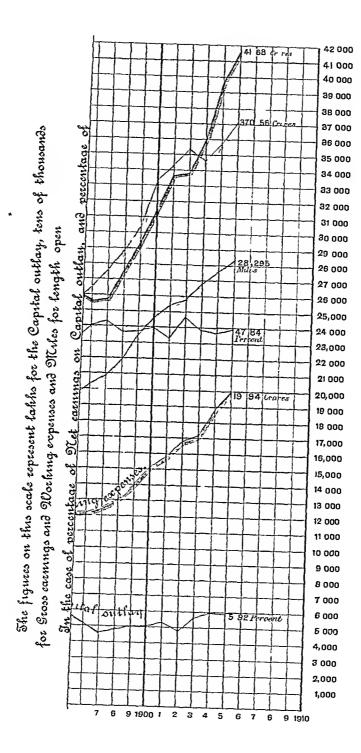
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ADMINISTRATION REPORT

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ror

THE CALENDAR YEAR 1905.

General

The Railway Board have in this report re-introduced, with certain modifications, Appendix 12, showing the general results of working each railway system, which last appeared in the report for 1903. Appendix 38—History of open lines, and of lines under constitution of sanctioned for commencement, has been curtailed, certain details of no particular interest having been omitted.

Mileage

2 During the year 1905, 749 miles of line were opened to traffic, bringing the total mileage open up to 28,295 miles of the following gauges:—

```
15,028 of 5' 6" gauge (standard).
11,959 ,, 3' 3\frac{3}{2}" ,, (metre).
980 ,, 2' 6" ,, (special)

28,205'
```

There were 627 miles of line sanctioned during the year-

371 of 5' 6" gauge (standard)
139 ,, 3' 38" ,, (metre)
117 ,, 2' 6" ,, (special).
627

Up to the latest date of returns (end of April 1906) the mileages are—

| Lines open | • | | | | 28,617 |
|-------------|-----------------------------|--|---|---|--------|
| Lines under | construction and sanctioned | | , | • | 3,297 |

Capital

- 3 The Capital outlay from the commencement on open lines and lines partly open amounted at the close of the calendar year 1905 to Rs 36,693 94 lakhs, and that on lines wholly under construction to Rs 267 22 lakhs. In addition Rs 95 17 lakhs were incurred on miscellaneous items (English stores, etc.) connected with railways. The total outlay amounted to Rs. 37,056 33
- 4 All sanctions for expenditure are given with reference to the official year, and the sum of Rs 1,500 lakhs (£ 10,000,000), being an increase of 20 per cent on the previous year, has been provided for 1906-1907 divided as under \sim

| | | | | | Rs Lakhs |
|---|--------|--------|------------|------------|-------------|
| (a) For open lines, including Hs 382 la | lhs fo | or rol | ling-stock | | 891 09 |
| (b) For lines already under construction- | | | | | |
| (1) begun prior to 1905 1906 | • | • | | | 380 54 |
| (11) begun during 1905-1906 | | | | | 158 37 |
| (c) For lines to be begun in 1906-1907 | • | • | | | 70 00 |
| | | | Total | ? * | 15,00 00 |

Rolling stock and safety appliances

5 In 1905, 256 engines, 370 couches and 2,861 wagons were added to the rolling-stock of the railways, and there are under supply 511 engines, 2,223 coaches and 6,700 wagons

Subsequent to the 31st December 1905 the provision of 47 engines, 75 coaches and 2,218 wagons has, in addition, heen authorized

- 6 Three hundred and eighty-six engines, 800 conclies and 915 wagons were fitted with automatic brakes, bringing the number so fitted at the close of the year up to 3,016 engines, 11,201 conches and 3,798 wagons, as against 2,799 engines, 9,061 conches and 107,226 wagons not fitted
- 7. Five hundred and saxly vehicles were fitted with gas and electricity, making the total number so fitted at the close of the year 10,430, as compared with 7,105 not fitted. The number fitted with gas was 9,782 and with electricity 619
- 8 Means of communication between passengers, guards and drivers are fitted to many fast trains, both State and Company, and then more extended use is being pressed on all lines
- 9 One hundred and eighty stations were fitted with apparatus for interlocking points and signals. The progress in the introduction of automatic instruments for signalling trains between stations continues, 79 stations having been provided with these instruments.

Statistical results of working

10. With an addition of 719 miles to the open mileage, the gross earnings of all Indian railways during the calendar year 1905 amounted in round figures to Rs 4,168 09 lakks, compared with Rs 3,961 97 lakks in 1901, an increase of Rs 203 12 lakks. Of the increase in the gross entrings, Rs 116 50 lakks were absorbed in additional working expenses. The net earnings amounted to Rs 2,171 09 lakks, against Rs 2,087 17 lakks in 1901, or an increase of Rs 86 62 lakks. These net earnings yielded a retinn on the Capital outlay (Rs 36,693 91 lakks) on open lines and lines partly open of nearly 6 per cent, about the same as that yielded in 1904.

Of the incience of Rs 20312 lakks in the gross receipts, the Bengal-Nagpur railway cained Rs 5559 lakks of 27 per cent, the Raiput in Malwa railway Rs 5191 lakks of 26 per cent, and the remainder was contribated principally by the Great Indian Peninsula, Bombay, Buoda and Central India and Madras railways

The development of passenger traffic, noticed in the last report, continued during the year under review, and a larger number of palgrams, native marriage parties, visitors to fairs, etc., were carried by rulway. The visit to India of Their Royal Highnesses the Prince and Princess of Wales also contributed to this development. Tho total number carried was 21816 milhous against 22710 millions, and the earnings therefrom Rs. 1,27383 lakks against Rs. 1,176.0 lakks. The number of third class passengers carried was more by 1876 milhous and the carnings therefrom by Rs. 7913 lakks. The other classes also showed satisfactory increases. Of the increase of Rs. 9763 lakks in the passenger receipts, the North Western (State) railway carnod Rs. 1999 lakks or 20 per cent, and the remainder was contributed principally by the Great Indian Peninsula, Rajputina-Malwa, Bengal-Nagpur and Bombay, Baroda and Central India railways.

The average rate charged to passengers of all classes was 2.17 pres per nulc just over 5th of a penny, and the average distance travelled was about 40 miles. There have been no material fluctuations in these figures since 1881.

The aggregate tourings of goods lifted during the year 1905 and the earnings therefrom were 54 94 million tons and Rs 2,620 71 lakhs, respectively, in improvement over the previous year of 289 million tons and Rs 101 90 lakhs. Of the increase in the goods receipts the Bengal-Naghui indiany cained Rs 47 02 lakhs of 46 per cent, the Rajputana-Malua failway cained Rs 38 17 lakhs of 38 per cent, and the remainder was contributed principally by the Great Indian Peninsula, Madias, and Bombay, Baroda and Central India failways

The total weight of the traffic in "Grain and pulse", "Cotton, raw and mann-tactured", "Coal", "Oil-seeds", "Sugar", "Salt", and "Jute" during the year

1905 amounted to 2878 million tons and the earnings therefrom to Rs 1,71268 lakks, against 2777 million tons and Rs 1,68981 lakks, respectively, in the previous year. The traffic in these commodities amounted during the year 1905 to 7063 per cent in weight and 7013 per cent in earnings of the total traffic carried for the public, against 7137 per cent and 7158 per cent, respectively, in the previous year.

There was a large increase of 161 million tons and Rs 10106 lakhs in the grain and pulse (other than wheat) traffic, attributable chiefly to the larger movements of grains owing to scalety prevailing in Southern India and Rapputana, There was also an increase of 24481 thousand tons and Rs 5368 lakhs under cotton, due to good crops. There was, however, a falling off of 107 million tons and Rs 11428 lakhs in the wheat traffic, and of 19950 thousand tons and 1947 lakhs in the rape and mustard seed traffic, due to the partial failure of crops upcountry in consequence of an unusually cold and wet season in the beginning of 1905.

Coal—During the year 1905 the total output from the collienes in India and Burma amounted, as shown in Appendix 28, to 8 43 million tons, against 8 22 million tons in 1904. The exports of Indian coal to Indian ports, principally Calcutta to Bombay, Karachi and Madris, rose from 1 45 million tons to 1 64 million tons or by 190 thousand tons, and those to ports outside India including Burma, principally Calcutta to Rangoon and Ceylon, from 896 88 thousand tons to 1,144 68 thousand tons or by 217 80 thousand tons. The imports of coal from the United Kingdom decreased from 174 70 thousand tons to 147 73 thousand tons or by 26 97 thousand tons, and those from other countries from 79 17 thousand tons to 50 02 thousand tons or by 29 15 thousand tons.

The total quantity of Indian coal consumed by iailways during the year 1905 increased, as shown in Appendix 27, from 2.45 million tons to 2.67 million tons or by 220 thousand tons, and the amount of foreign coal consumed from 17.43 thousand tons to 18.23 thousand tons

The improvement in the traffic in coal carried by railways was due principally to the increase of 215 76 thousand tons and Rs 19 87 lawlis recorded by the Bengal-Nagpur railway, owing to the traffic from the Sanctoria and Jherral coal fields having been carried vid the Adia-Khargpur route, instead of via Asansol, to Calcutta for shipment. On the East Indian railway the quantity carried increased by 169 80 thousand tons and the earnings by Rs 10 57 lakks, due to larger despatches for foreign railways and for private factories.

The average rate for all descriptions of goods carried per ton per mile, viz, $5\frac{1}{4}$ pies, or just under $\frac{1}{2}$ penny, was the lowest recorded since 1884, in which year the rate was $7\frac{1}{4}$ pies, while the average distance over which a ton of goods was carried, viz, 177 miles, was the highest

The additional mileage worked, the larger traffic handled and the increase in the train-mileage run necessitated a corresponding increase in the working expenses, and although large sums were expended by the principal failways in renewing their permanent-way and folling stock, and in strengthening bridges, the failways were worked during 1905 at a slightly higher percentage of gross earnings, uz, 47_4 , against 47_4 per cent. in the previous year.

Financial results to the State.

11 The financial result of the working of the State and Guaranteed railways for the year 1905 was a net gain to the State of 263 85 lakks of rupees, the largest yet obtained in any year, after meeting, in addition to the expenses of working, all charges for interest on Capital outlay by the State and on Capital raised by Companies, and also the annuity pryments for railways purchased by the State, including both interest and the portion that represents redemption of Capital. This is the sixth year in succession in which there has been a surplus

In the subjoined table, which gives details of the charges against Revenue for the year 1905 in comparison with the two preceding years, the ordinary interest charges are first deducted, and, on this basis, *e*, after evaluating the portion of the annuity payments representing redemption of Capital, Rs 98 28 laklis, the surplus to the State for the year 1905 amounts to Rs 362 13 laklis. It is to be noted that even this understates the real surplus derived from the railways open to traffic, as the

interest charges include the interest on outlay on lines under construction, which, if these lines were being constructed by private enterprise, would be charged to the Capital account

The results for the two old Guaranteed railways, the Bombay, Baroda and Central India and the Madias railways, are shown in a separate column in this table, in older to bring out the unfavourable effect to the State of the higher rate of guaranteed interest (5 per cent) paid on nearly the whole Share Capital of these lines. On these two railways taken together there was a net loss to the State of over 25 lakhs of rupces, the loss on the Madias railway being nearly 32 lakhs, while there was a surplus of over 7 lakhs on the Bombay, Baroda and Central India railway

| | | 1003 | | | 104 | | | 10 | *************************************** |
|--|-----------------|---|---------------|-------------------|--|--------------------------|-------------------|---|---|
| | | Guaranteed railways (Vlade 12 and Hom'oy HoroJa and Central India J | Tolal | Piato tailuays | Gnarenteed rallways (Maless and Hombay Hareda and Central Inita) | Total | B'nto Tallmays | Urses tood tallways (3f cfras and Is relay I arndo and Central India) | Tolal |
| Revenue | T: | Rs | P: | R: | Ns | T's | Rı | B# | Es |
| Tross traffic receipts - State | 29,80 67,700 | | 10 E0 67 7P0 | وي رو وورت | ••• | 1 01 0,000 | 31 43 0A 3^9 | ,,,, | 31 47 (* 502 |
| Gross traffic cornings —Gnaran teed raliways | , | 2 02 61 0 0 | 25,8100 | | 3 15 89 0^7 | 3 15 49 027 | 640 | 3 3* 67 621 | 3 27 90 (2) |
| Rej syment of advances of suter est—Bubsidized railways | 6 ^4 95I | | C =1 FG1 | 7*2°C | ••• | *65 #c** | 6 41,°57 | | e 41 -2- |
| To-12 Revesur | ±0 64 0 * 77 | 20 610.0 | -* 8° 70 ED7 | 3- 60 1- 1-4 | D 15 ER 0°7 | 3°,15 00 °01 | 36 16 10 035 | 3,3. 69 621 | \$7,79 40 117 |
| Ferendiques | | | | | | | | | |
| Forking Legenses—State rail mays | 14 07,14 417 | * | 14 07,14,717 | 15 40,*0 *16 | • | 15 15 10 710 | 10 62,00 370 | | 16 63 00 93 |
| Forking expenses -Quaranteed railways | | 1,55 % 095 | 1,83 0 2% | u u | 1 0,29490 | 1,80 ~9 467 | *** | 1 (57 510 | 1622181 |
| Fare of surplus profits good to C repantes - Guaranteed rail ways | | 15,12 519 | 15 17 519 | • | 2° 01,133 | 14,01,143 | | 20 03 013 | 28 03 640 |
| hare of surplus profits poid to Comparies —biate sallways | 46 "0 0" 5 | | 40 20 525 | E 01,851 | | 12,01 =-1 | Zu =0,==0 | *** | ES =11 5=1 |
| and and Supercision charges - | | -1,720 | −1, ~v | | -1 15 °21 | -11021 | | 5 %0 4 0% | 5 56 6 3 |
| and and subsidy charges— | 3,61,140 | | 301 115 | 7,52 615 | | 7,29 61 | 6,51 931 | | 4 81,931 |
| fescellaneous railway expendi fure— | 10 67 6/3 | 4 | 10 07 603 | 6 -3 50 | | 8,73 g/s | -2 (3 %) | 100 | -°,43 0. |
| Total expenditure | 14 GO 47,191 | 1 -0 31,713 | 10 30 °E 901 | te 15 4 ce7 | 1 ~7,01,705 | 1-01,4 3 2 | 17,10 77,035 | 1 9- = 3.3 | 10 16 50 41 |
| Net Berenno | 15 00 4, 550 | 1 6 57,237 | 10 51 0 0.3 | 16,6172 6 7 | 1 39 87,632 | 18,23 50,310 | 1- 2-,-0 c41 | 1 22 60 668 | 19 07 59 70 |
| DEDITARY INTEREST CHARGES | | | | | | | | | |
| Interest on Copital suiloy - | 4 92 56 942 | | 4 57,50 912 | 5,17,04 417 | , | 5,17,04 417 | 5,40 00 **1 | | 5 40 00 73 |
| interest on debt for purchase of | 1 77,70 074 | ••• | 1 ~~,76 0~4 | 1,77 % 692 | * | 1 | { | • | |
| interest on advances of Capital to Companies | 50 82 593 | ١ ., | ניז די נוס | Ev 27 859 | | 1 77,75 652 Cu 22 848 | 73 % 121 | - | 73 59 12 |
| interest on Capital raised by | 1,80 73,0.5 | | | 1 89 08 013 | • | | } | •• | |
| Companies Portion of annuities in purchase of railways representing in | 1,00.0,000 | | 1 80 73 0 20 | 1 68 (0 013 | | 1 65 05 013 | 1,05 56,333 | | 19,38,99 |
| terest on Capital Interest on Capital of Guaran | 3,53,87,560 | | 3 55 57,560 | 3 56 19,73, | | 3,50,10~~ | 3 53 61,370 | | 3 53 61 37 |
| seed Companies | f * | 1 50 99,702 | 1,50,00 70" | | 1,00,10 570 | 1,60 10 076 | | 1 00,8.,806 | 1 00 67 60 |
| Total Interest | 12,6072071 | 1 56 90 702 | 14 23 51 720 | 13 03,10 335 | 1,60,16 970 | 14 05 36 305 | 13,30,00 ,01 | 1,60 64 646 | 15 00 76 50 |
| Surplus of net Revenue over Interest | 2 50 73 542 | -31,47 363 | 2 *9 20,177 | 3 70,53 35* | -21,29 338 | 3 18,01 014 | 3 87 20,210 | -°0 1€ 110 | 3 62 13 10 |
| Portion of annuity payments representing redemption of Capital also charged against Revenue | 04,04 065 | | 01 01 04 | 00,01,750 | | P5 01 780 | 1 | | 19 ts n |
| Actual not gain+, or loss- | +1 65,08,88 | -31 47,36 | +1 33,61,22 | 2° 42 61 51,5, | 2 -21,29,538 | +2 63 22 23 | +2 60 00 00 | -25 16 140 | +2 03,84,81 |

12 As regards an account of the Capital hability in connection with railways owned by the State, there are some complications in stating the amount, owing to the fact that, in the ease of some of the lines taken over, the purchase price is being paid by means of annuities. In these cases it seems correct to deduct from the original commuted Capital at which the lines were taken over, the amount redeemed by annuity payments up to date. On this basis the subjoined table shows the Capital hability at the end of 1905 on account of all railways classed as State railways, the State outlay, as recorded in rupees in the accounts being converted into sterling at the rate of Rs. 15=£1. The total Capital amounts to £248.44 millions (the details by railways being shown in Appendix 9), and on this the net revenues of the State railways for 1905, £11.51 millions, give a return of 4.63 per cent. The total Capital of the two old Guaranteed railways amounts to £23.53 millions as detailed below, and on this the net earnings of these railways for 1905, £904.64 thousands, give a return of 3.84 per cent.

Copilal liability on account of railways classed as State railways at end of 1905.

| | Share Capital of purchased railwa | | - | ., | £ | £ |
|-------|---|--------------------|-------------------------------------|---------------|------------------------|-------------|
| | Commuted value of stock purchase | ed , | ••• | • | 85,010,259 | ~ |
| educi | | | | | | |
| | Commuted Capital representing a purchased by ereation of de under item 3) | nnuitie bt (lia | es w ^l noh bility ine | were luded | 12,754,190 | |
| | New stock of the Great India exchanged for portion of annu- | | | | 7 | |
| | under item 5) Capital redeemed by annuity pays | nents | • | •• | 1,750,000 5,210,912 | |
| | | | | | 19,715,132 | |
| | Net outstanding | | - | ••• | | 65,295,127 |
| 0 | Ct. to auditor | | • | | ••• | 94,590,686 |
| 3 | Debt incurred for purchase of rail | | • | • | ••• | 34,201,992 |
| 4 | Capital advanced by Government | - | פמימימים | • | | 13,887,814 |
| 5 | Capital raised by Compinies on t eluding overdrafts of Capital | he Seer | • | State's gu | arantee (in- | 40,460,328 |
| , | Тота | L CAPI | TAL LIAB | ILITY | ٠ | 248,435,947 |
| apu | al liability on account of Gi | uarant | ced rail | livays at | end of 190 | 5. |
| C | apital raised on the Secretary of S | tate's g | uaranteo, | gathuloat | | |
| | | | | | £ | £ |
| | Madras railway | | • | • • | 12,553,480 | |
| | Bombay, Baroda and Central Indi | a railwa | ıy | | 10,980,214 | |

Rates and fares.

13 In August 1905 the conditions and the minimum rates prescribed for the carriage of coal for the general public and for State or other railways were revised Previously the minimum laid down was $\frac{1}{10}$ th of a pie per maund per mile, but it was considered that this restricted the trade in places distant from the coal-fields. The minimum to which railways may now reduce their rates has been fixed at $\frac{1}{10}$ th of a pie for distances up to 300 miles, $plus_{\frac{1}{10}}$ th of a pie from 300 to 500 miles inclusive, and $plus_{\frac{1}{10}}$ th of a pie for any distance in excess of 500 miles. The conditions are that the rates shall be calculated on the through distance between the station of origin and the station of destination of consignments, that, when there are two or more routes to destination from the colliery where the traffic originates, the railway or railways forming the longer route may calculate charges on the same mileage as

the iailway or railways forming the shorter routo, that coal for the use of foreign railways is charged at the same rates and under the same conditions as coal carried for the public, that the rates charged are divided between the railways over which the traffic is carried in proportion to the mileage of each, provided that, if the distance the coal is carried over any railway is less than 25 miles, the mileage of that railway in dividing the freight is reckoned as 25 miles, and that these rates shall be subject to revision at the end of three years from 1st September 1905.

Cheap "week-end" return tickets to and from the principal stations on the broad gauge section of the Bombay, Baroda and Central India railway were introduced as an experiment.

"Week-end" return tiekets, at single fares for the double journey, were introduced by the Eastern Bengal (State) railway

The East Indian railroay introduced the following reduced scale of charges for 31d class passengers --

for the first 100 miles, 21 pies per mile, from 101 to 300 ,, 2 pies per mile, for additional distances over 300 miles, 11 pies per mile

The Company also increased to 6 pies per maund its terminal charge on both local and foreign traffic generally in class goods on all parts of its system, and on mineral and special class goods at certain stations, and introduced a special reduced through rate of Re 0 12-1 per maund for coal from all its colliery stations to all stations on the Kalka-Simla iailway, to encourage the use of coal for domestic purposes at the hill stations served by the latter.

The higher charges for coaching and goods traffic over the Ludhiana-Dhuri-Jakhal railway were reduced to the level of those in force over other sections of the North Western (State) railway, the administration of which also introduced locally the reduced rates for coal referred to in the first paragraph of this section, subject to the usual conditions regarding risk and handling, to encourage the supply of cheap fuel

On the Oudh and Robilhand (State) railroay the 3rd class passenger fares were reduced, the rate of 2 pies per mile, which before applied to distances of above 100 miles, now applying to distances above 75 miles, and the rate of 1½ pies applying to distances above 150 miles instead of to distances of above 300 miles

With effect from 1st of June 1905 special rates, from Morinugao Harbour to the principal stations on the Southern Mahratla railway, were quoted for goods booked under combined through bills of lading from British and Continental ports in conjunction with a line of steamers running direct to the port of Morinigae.

Important measures and events.

Measures for the comfort and convenience of 31 d class passengers —A circular was issued on the 22nd of March 1905 to the several railway administrations, desiring, as stated in last year's report, their attention to the urgent necessity for providing (2) facilities for passengers to obtain their tickets a longer time before the departure of trains than they are at present able to do, (11) facilities for examining tickets of 3rd class passengers, both at starting and readside stations, as will enable the passengers to have proper access to the platform and take their seats in the train without the crush which too frequently occurs, and (111) carriage accommodation for 3rd class passengers to prevent the over-crowding which is much too general.

The roplies since iccoived indicate that the administrations of the several railways appreciate the attitude of the Railway Board towards 3rd class passengers who are their best clients, providing as they do over 84 per cent of the total receipts from passenger traffic

In regard to the first point the majority of the most important railways have provided continuous booking at the principal stations and the opening of city offices for the issue of tickets, and at smaller stations the opening of ticket offices from periods varying from half an hour to two hours ahead of the train

The second matter to which attention was called involves some re-arrangement of the waiting halls and platform gates. The railway administrations generally recognise that greater facilities are desirable and are taking steps to remedy the crowding and inconvenience complained of.

Under the third head the obvious remedy is to increase the stock of third class carriages, which is being done on most lines. In one instance it was pointed out that the passengers are themselves to blame for over crowding. This is probably due to the natural wish of families making a journey to travel in the same carriage or compartment. It may be said generally that all three matters to which attention has been called by the Railway Board are receiving their earnest attention.

Another matter, which was not touched upon in the circular, was the most suitable style of third class carriage. The Railway Board have made enquiries of all the different railway administrations and find that there is some diversity of opinion, and they think that the carriage most suitable for the 3rd class passengers has yet to be designed. One of the points raised in the discussion was the provision of upper bunks or of luggage racks in 3rd class carriages. Some of the principal railways are of opinion that passengers distinctly appreciate and make use of the bunks provided. In the day time, these bunks can be used as racks, and at night for lying down for a certain proportion of the occupants. Other railways consider that racks for luggage conduce more to the comfort of 3rd class passengers than do sleeping bunks. This latter opinion obtains more in the south than in the north of India, but all the railways are quite prepared to meet the wishes of the majority of their passengers as soon as they can, by experiment, ascertain what design is most appreciated.

Standard time — With effect from the 1st July 1905 a standard time, which in India is exactly $5\frac{1}{2}$ hours in advance of Greenwich and 9 minutes in advance of Madras time, and in Buima $6\frac{1}{2}$ hours ahead of Greenwich and 5 minutes 23 seconds earlier than Rangoon time, has been adopted on the railways in India and Burma, other than on small local lines where the change would be inconvenient

Indian Railway Conference Association—A special meeting of the Indian Railway Conference Association was held in Simla from the 31st July to the 11th August 1905 to consider the revised general rules for working open lines of railway in India, and other matters

Risk Notes — Revised forms of Risk Notes B and H, under which a greater measure of responsibility will devolve upon railway administrations in the case of consignments carried by them at "special reduced" or "owner's risk" rate, have been considered, and have been referred to the administrations of the several Indian railways for their acceptance.

Construction of sidings into private premises—A revised form of agreement for the extension of iailway sidings into private premises was issued in July 1905 for adoption on State railways and as a general guide to other railways in preparing similar agreements. Under the revised terms the charge of 6 per cent per annum—previously made by railways to cover interest, maintenance and depreciation on the cost of all permanent-way materials, etc., provided, laid and maintained by the railway administration, and of all works done in connection with such sidings at the expense of the railway—has been relinquished.

Use of local manufactures for railway purposes—The Bengal Iron and Steel Company, Limited, have entered into a contact with the Secretary of State for India for the manufacture of steel rails and rolled sections at their Barakar Works, under the terms of which the latter is required to pay to the company an annual subsidy not exceeding £1,500, subject to a reduction of Rs 3 for every ton of steel rails or bars purchased by, or on behalf of, Government The Managers and Engineers-in-Chief of State railways have accordingly been requested to utilize steel of local manufacture so far as it is suitable for the works in their charge

The Railway Board, after duly considering the representations received from various firms of manufacturing engineers in India asking that they might be given an opportunity of tendering for the construction of wagon frames and bodies in this country, have decided that, for a period of three years, tenders should be called for publicly in India for the supply of trames and bodies of twenty-five per cent of the goods stock sanctioned for State railways, the requisite wheels, axles, springs and draw-bars to complete the wagons being indented for from England and supplied by the railway administration to the firm whose tender is accepted

Supply of Australian wooden sleepers—Mr J Adam, Executive Engineer, Railway Department, was deputed by the Government of India in 1904 to investigate the question of the supply of wooden sleepers from Australia, and has submitted a preliminary report on the production of wood for sleeper purposes in the Eastern States A more complete report is expected embracing information relating to the Western States

Improved lighting of trains—This has continued to receive the attention of the Railway Board, and railway administrations have been kept informed of experiments made in electric lighting under two different systems. The application of incandescent mantles to Pintsch's gas burner is being experimented with

St John's Ambulance Institution —To stimulate the interest of the staff of the East Indian railway generally in St John's Ambulance Institution, established for the purpose of imparting instruction in the art of giving first aid to persons injured in railway accidents, the Company decided to give a reward to all those who pass the examination

On the Oudh and Robillhand railway fair progress has been made with ambulance work, and arrangements have been made to equip brake vans of all passenger trains with implements, and to supply books and appliances to such of the staff as have qualified, for affording first aid to the injured.

A class for general instruction of employes of the Rajpulana-Malica railionay in affording first aid to injured persons was opened at Ajmer in January 1905

On the South Indian railroay an ambulance class in first aid to the injured is being held at Madura

Purchases of railways by the State—The Bengal Central Railway was purchased by the State and merged in the Eastern Bengal (State) railway system with effect from the afternoon of the 30th June 1905.

Notice was given to the Bombay, Baroda and Central India Railway Company of the termination, with effect from the 1st January 1906, of the Company's contracts with the Secretary of State for India. The railway, after purchase by the State, was made over to a re-constituted Company to work.

The Noakhali (Bengal) Railway Company suggested the transfer of their line to the Assam-Bengal railway. The purchase of the line by the State as from 1st January 1906 was accordingly agreed to and arrangements made to incorporate it with the Assam-Bengal iailway.

Principal contracts entered into during the year—An agreement for the working by the Southern Mahratta Railway Company of the Belliry-Rayadrug and Hospet-Kottur famine feeder lines

A memorandum of terms for the working by the Bengal-Nagpur Railway Company of the Mourbhanj Light iailway for the period 1st January 1905 to 31st December 1905, and thereafter from year to year until the agreement is terminated by notice

On the 4th October 1905 an indenture was executed with the Southern Punjab Railway Company for the constitution of the MacLeod Ganj-Ferozepore-Ludhiana extension.

On the 4th December 1905 an indenture was executed with the Baisi Light Railway Company, making certain modifications in the Company's contract of 20th August 1902 for the construction and working of the Pandharpur and Tadwalla extensions, and providing for the issue of Debenture Stock

On the 14th December 1905 an indenture was executed with the Bengal and North-Western Railway Company, Limited, continuing, with modifications, the contract dated 18th July 1830 relating to the Tinhoot (State) railway, and also modifying the contract of 12th December 1882 relating to the Company's railway.

On the 27th December 1905 an indenture was executed with the Bombay, Baioda and Central India Railway Company for the issue of India Stock on purchase of the Company's undertaking, and for provisional working of the Company's system as from 31st December 1905

In connection with the running by Mossrs Frank C Strick & Co of London, of a new line of steamers to the Poit of Mormugao, an agreement was executed between that Company and the Southern Mahratta Railway Company for the through booking of traffic between the British and Continental ports and stations on the Southern Mahratta railway

The Bengal-Nagpur railway took over the working of the Mourbhanj Light railway on and from the 1st January 1905.

In November 1905 the administrative offices of the Bombay, Baroda and Central India railway at Bombay were seriously damaged by fire. Their restoration is well in progress

On the Eastern Bengal State railway a wagon ferry service was established on the Ganges between Damukdia Ghat and Saia Ghat in February 1905 for crossing heavy machinery and coal With effect from the 15th May 1905 through booking of goods traffic, viā Dhubii Ghat, was established between stations on the Northern and Behar sections of the line and viā the steamer stations of the Assam Service south of Dhubii Ghat, and stations on the Dacca section viā Jagannathganj

On the 6th February 1905 the Government of India sanctioned the purchase of the Chabra section of the Bina Goona Baran rulway by the Gwalioi Durbar from the Ionk Durbar, on the condition that the Gwalioi Durbar agreed to abide by the terms under which that section of the line was then worked by the Great Indian Peninsula railway

The administrations of the Bhavnagar-Gondal Junagad-Porbandar and Morvi railways introduced a through service between Wadhwan Junetion and Jamnagar, ebnsequent on the establishment, on the 4th March 1905, of through direct connection between Wadhwan Junetion and Rajkot Junetion by the conversion of that portion of the Morvi railway from the 2'6" to the metre gauge

Through booking of goods and passenger traile between the Tarakeshwar Magra Light various and the Calcutta Steam Navigation Company's steamer service, via Tribeni, was introduced from January 1905

Important works completed

15. On the Bengal Nagpur nailway, the work of doubling the line through from Howiah to Khaigpui, and the renewal of the girders (7 spans of 170 feet) of the Kanhan bridge near Kamptee

By the Bombau, Baroda and Central India rankouy, a new locomotive station, for joint use with the Tapti Valley railway, at Kankia Khari, and the interlocking of points and signals thereat, a new station at Vile Parle, between Santa Cruz and Andheri, the renewal and duplication of minor girders between Ahmedabad and Viramgam, and the interlocking of 49 third class stations on the Rajputana-Malwa railway

On the Eastern Bengal (State) railway, the bridges across the Churni (3 spans of 120 feet skew), near Ranaghat, and the Jellinghee (3 spans of 120 feet and 1 span of 250 feet with 35 feet headway), at Krishnagar, on the Murshidabad branch, and heavy renewals of girders on the Northern section to admit of the running of a heavier class of engines

On the East Indian railway, the inverside watchouse at Howrah, the remodelling and reconstruction of Delhi station, and a branch line to serve the Moodidih, Angaipathia and Guzhtor collieries

By the Great Indian Peninsula railway, the Agra-Road station, and the line therefrom to the point of junction with the Agra-Delhi Chord iailway which now forms a part of the main line from Agra to Delhi, the quadrupling of the line between Byeulla Junction and Curry Road, the doubling of the line between Khandwa and Itaisi, and the interlocking of points and signals at four intermediate stations

By the North Western (State) railway the doubling of the line between Lahore and Amritsar, the remodelling and interlocking of Bhatinda station yard, and the construction of one wing of the Central Offices at Lahore

The Oudh and Rohilhhand (State) railway permanent bridge (15 spans of 200 feet) over the Ganges river at Allahabad

By the Bengal and North-Western railway a new bridge of 3 spans of 80 feet over the Bolan livel, to replace the pin girder bridge of 3 spans of 60 feet, and the construction of the bridges and raising of the main bank of the Sagauli-Raxaul branch

On the Bengal-Doom's railway, the Hathinulla guider bridge of 3 spans of 150 feet, the Khanabarti deviation, lendered necessary by imagation works, including

a bridge of 3 spans of 40 feet girders, and special protection works at the larger bridges

On the Burma radioays, the relaying of 28 miles of 414-lb steel track on the main line with 50 lb steel fails, the interlocking of the points and signals at Mandalay and Myohaung, a new overbridge, with a clear span of 150 feet and a readway 60 feet wide, at Shwehle Pagoda Road, and the doubling of the line between Pazundaung and Thingangyin and between Insom and Hlawga

The Morvi railway converted the Wadhwan Rajkot section from the 2' 6" to the metre gauge

The Robithund and Kumaon radioay relaid with 50 lb section rails 30 miles of its own and 21 miles of the State line, which before were laid with 41½ lb rails

Two new permanent stations on the Bulhtrar pore-Behar Light railway

On the Kalka Simla railway the permanent-way and curves, gradients and budges were improved

(1) A "Joint Water Supply 'scheme, proposed in 1902, for supplying water in reliable and adequate quantities to the East Indian and Kalka-Simla railways and the Municipality at Kalka

The Darreling-Himalavan railway extended the station building, and provided a now platform, loop siding, now engine shed and additional goods shed at Ghum.

Accidents

16 The following is a statement of accidents of all descriptions to persons, which have occurred during the last five years —

| | | P | vs20 | ngor | 3 | | | 8 | orvar | its | - | | | | | | | Oll | 101 | pors | ons | | | | | |
|------|--|---------------------------|--|---|--------|---------|--|-------------------------------------|------------------------|---|--------|---------|---|-----------------------------------|----------------------------------|--|--------|---------|--------|---------|------------------|--|--------|---------|-------|--------------|
| Year | to t | nts mins ling ck | dent ocurrent neces from own of c | aco s from ther i es idents i their i wait aution mis dnot | 10 | tal | der to tr roll s c pot ne | ci nts rains, ling oul, | ncoid from own w | from 199, ling ents their tion tion | To | otal | From coud to tree r lli stoo prima wij, | onts us, us, ok, nent | pre or rule at 1 cre | hilst sug cr wovs cvel cvel | T | 5 F3 | Suu | eides | lan clu in | e ol ecus tin ided tro ling imns | To | tù | | nlall sva |
| | Killed | Injured | Killed | Injured | Killed | Injured | Killed | Injured | Killed | Injured | hilled | Injured | Killed | Injured | Killed | fnjured | Kil ed | Injured | Lilled | Injured | Kulled | In,urd | Kulled | Injured | Kuled | Injured |
| 1901 | 3 | 47 | 91 | 251 | 91 | 203 | 11 | 83 | 261 | 375 | 275 | 4*8 | 13 | 11 | 82 | 3 | 512 | 170 | 123 | 9 | 33 | 16 | 745 | 21.1 | 1,111 | 970 |
| 1902 | 127 | 181 | 93 | 259 | 225 | 473 | 37 | 95 | 692 | 361 | 306 | 179 | 13 | 13 | 16 | 3 | - 12 | 162 | 108 | 5 | 21 | 26 | 700 | 3 9 | 1,^31 | 1 141 |
| 1903 | 50 | 110 | 93 | 331 | 113 | 147 | 15 | 95 | 275 | 390 | 200 | 495 | 12 | 7 | 16 | 3 | 510 | 172 | 138 | 5 | 35 | 23 | 711 | 209 | 1,144 | 1,141 |
| 1904 | 11 | 83 | 105 | 921 | 116 | 101 | 23 | 103 | 2.0 | 361 | 273 | 467 | 6 | 15 | 23 | 1 | 577 | 186 | 120 | 2 | 41 | 11 | 767 | 21S | 1,156 | 1,089 |
| 1905 | 3 | 140 | 115 | 356 | 118 | 196 | 15 | 110 | 308 | 162 | 328 | 577 | 5 | 15 | 25 | 4 | 6-1 | 173 | 131 | 5 | 39 | 23 | £01 | 20 | 1,305 | 1,293 |

There was an increase of 119 and 204 in the total number of persons killed and injured from all descriptions of accidents during 1905, as compared with the previous year

The total number of persons of all classes killed by causes beyond their control was 23 against 40, and the number injured 270 against 201. Out of a total of 218 16 millions against 227 10 millions of presengers travelling, and of 9,900 48 millions of miles against 9,006 85 millions of miles travelled, 3 passengers were killed and 140 injured against 11 killed and 83 injured. This gives an average of one fatal easualty in 82 72 millions against one in 20 65 millions of persons travelling, and an average of one in 3,300 16 millions against one in 818 80 millions of miles travelled in 1905 and 1904 respectively

17 The following are particulars of the more serious train accidents —

Nos 124 down goods and 64 down van goods trains collided at Khana junction, East Indian railway, on the 7th February 1905, due to the driver of the former train running against signals. One person was killed and seven injured. The rolling-stock was considerably damaged.

No 4 down mixed train was detailed at mile 90-22, between Lalman and Comilla stations, Assam-Bengal railway, on the 23rd February 1905, due to the removal of fish plates and bolts and the slewing of the line by some person of persons unknown. Four railway servants were seriously injured, one of whom subsequently died. The rolling-stock was considerably damaged.

Nos 7 up mixed and 84 down goods trains collided at Amethi station, Oudh and Robithhand (State) railway, on the 1st June 1905, due to the engine of the latter train fouling the crossing Eight passengers and twelve railway servants were injured. The rolling-stock was damaged

No 6 down passenger train collided with a pilot engine at Paitabgarh station, Oudh and Rohilhhand (State) railway, on the 2nd June 1905, owing to points having been incorrectly set. Five passengers and one railway servant were injured

Nos. 9 up passenger and 10 down mixed trains collided at Kot Sultan station, North Western (State) railway, on the 17th July 1905, due to points not having been correctly set Seventeen passengers were injured. The rolling-stock and permanent-way were damaged

Nos 101 up and 64 down goods trains collided at Taljhaii station, East Indian railway, on the 17th November 1905, due to the dislegaid of signals by the driver of the former train. One railway servant was killed and five injured. The rolling-stock was considerably damaged.

No 4 down Punjab Bombay mail and M M up troop special trains collided near Lahore station, North Western (State) railway, on the 1st December 1905, due to points having been wrongly set Seventeen passengers were injured The rolling-stock was considerably damaged

No. 4 down mixed train was detailed near Mantala station, Assam-Bengal sailway, on the 27th December 1905, due to the bad state of the road. Three passengers were injured, two of whom subsequently died. The rolling stock was damaged

Damages by floods and rainfall.

18 The line between Naupida and Vizianagram on the East Coast Section of the Bengal Nagpur railway was seriously damaged by a eyelonic storm of exceptional violence in September

The Bombay, Buroda and Central India railway system suffered considerably from heavy rain in July Several bleaches occurred both on the main line and branches, and there was serious damage to the permanent-way and bridges

On the Eastern Bengol (State) railway floods in August washed away a pier of a bridge on the Kaunia-Dhubii extension and damaged the wing-walls of a bridge on the Brahmaputia Sultanpur blanch. The Brahmaputra river rose in flood in September and washed out the line in places at Goalundo Ghat

On the East Indian railway heavy rainfall in September eaused the Karmiasa river to overflow and fleed a portion of the main line between Dildarnagar and Galimai. This rainfall also eaused scrious breaches in several places and considerable damage to many bridges on the Moglial Sarai Gya section, and to a bridge on the Barin-Daltonganj branch. Floods caused by heavy rain in July washed away a portion of the Tarkessur branch

Portions of the Great Indian Peninsula railway suffered from floods caused by heavy rain in July On the Nagpur branch, between miles 382 and 390, the embankment was badly breached in several places in the vicinity of bridges, the permanent-way at one place and the wing-wall of an abutiment being washed away On the North-East line, between Dongargaon and Bagmar, heavy rain washed away a portion of the embankment, the rush of water earrying the track out to the fencing

Hervy slips of boulders occurred on the Nilgin i arlway, causing interruption to through traffic during the latter part of November

The only serious flood damages during the year on the North Western (State) railway were caused in September by an exceptional flood in the Chenab river, which effected several small breaches in the bank between Mooltan and Shershah and interrupted traffic for 96 hours

Excessive rainfall during June, July, October and November breached the Assam-Bengal railway, and caused considerable detention to traffic, in several places

On the Bengal and North-Western railway the Oran bridge, on the Katarman Ghat branch, was partly washed away by a spill from the Girwa river in July, involving a temporary diversion till September Floods in September partially damaged several bridges between Nirmali and Rahama, interrupting the traffic for about three weeks

On the Bhavnagar-Gondal-Junagad-Porbandar radiusy floods due to heavy rain in July eaused washouts at several places between Limbdi and Wadhwan City, and on the Dhrangadia inilway. Breaches occurred at places on either side of Hadmatia and Pad-dhari stations on the Jamnagar radiusy.

Heavy floods caused considerable damage on the Burma railways. The south abutment of a bridge and the approaches of several others were washed away. The line was badly breached in several other places, especially on the Alon branch.

The Jodhpur-Bilaner railway was bienched by floods in September at miles 316 to 318 and at miles 320 to 323 on the Merta Road-Bhatinda section

Heavy rain in July breached the Moiti railway in several places, on the metre gauge between Wadhwan and Than and on the 2' 6" gauge between Vankaner and Moivi.

On the Southern Makratta railway the Hospet-Kottur branch line, at places between miles 36 and 40, was washed away by heavy rain in October. On the 15th October, between Maklidrug and Dodb illapur stations, the engine attached to the Down Mail train was derailed by several tons of rock slipping from the side of the cutting and striking the engine while the train was passing. No one was injured

Owing to the bursting of some "bunds" on the Sone and Maiwan rivers in September, the whole of the country between Chero and Haimant stations on the Bulbtian pore-Behan Light nailway was flooded. A culvert was washed away and the line for a space of about 30 feet was left suspended

Heavy rainfall and floods in July breached the Tarakeshwar-Maqra Light railway in soveral places. Traffic between Tarkessur and Bhastara was stopped for about three weeks.

At the end of July there were heavy floods and wishouts on the portion of the Howiah Amta Light railway between Bargachia Junction and Amta, also on the whole length of the Autpur section

The Howrah-Sheakhala Light railway was breached between Moshat and Sheakhala at the end of July

A breach was caused by floods in August on the Gosaigaon-Patiagaon section of the Jorhat (State) railway Through communication between the inverteiminus and Jorhat stations was not restored till December

Railway staff

- 19 The total number in railway employ at the close of the year was 452,058, of which 6,535 were Europeans, 9,175 Europeans and 436,348 Natives Of the Europeans and Europeans 12,989 were enrolled as volunteers
- 20 The Police force employed for the maintenance of law and order on inilways and for the protection of railway property is provided by the Civil Department, the State bearing, except in the ease of State lines worked by the State and the old Guaranteed railways, three-tenths and the railways paying seven-tenths of the expense memired.
- 21 Every monthly paid employé, who is neither pensionable nor a memal servant, is obliged to be a member of the Provident Fund and is required to

subscribe monthly amounts varying on different railways but not exceeding one-twelfth of his salary. At the close of the half-year the railway distributes, as bonus among the depositors, a first contribution equal to one half of their subscriptions, and a second contribution not exceeding one-half of such subscriptions or one per cent of not earnings

- 22. The Fine Fund is used in the relief of families left in destitute circumstances, and to assist in keeping up schools, recreation clubs and similar institutions
- 23 On the larger railways schools are provided and maintained at all centres where the number of children is sufficient to justify the employment of the teaching staff. The fees charged are graduated so as not to press too heavily on the poorer employés. Government, in the Educational Department, allow certain grants towards the maintenance of the schools, and any deficit is made good from the revenues of the railway or from the Fine Fund. Where the number of employés is not large enough to justify the provision of a railway school and there already exists a public or private school in the town, the schooling fees are borne wholly or in part by the railway.

The assistance thus given to employes is much appreciated, and a proper standard of education is ensured by the examination which is conducted yearly by the Government Inspectors of Schools before the grant can be drawn

The number attending railway schools amounted, at the close of 1905, to 6,907 children and 6,106 apprentices and workmen

Railway surveys

24 The following surveys were completed during 1905 -

The re-survey of the Gondia-Chanda railway, with a branch from Brahmapuri to Nagpur, 212 miles, on the 2'6" gauge, and the survey of a line from Purulia to Ranchi, 72 miles, also on the 2'6" gauge, by the Bengal-Nagpur railway

Lines from (1) Nar to Wasu, 13 miles, on the 5' 6" gauge, (2) Vijapur to Wadnagar, 17 miles, on the 3' $3\frac{3}{3}$ " gauge, (3) Hansi to Jakhal, 51 miles, also on the 3' $3\frac{3}{3}$ " gauge, and (4) Nar to Piej, 17 miles, on the 2' 6" gauge, all by the Bombay, Baroda and Central India railway

An extension of the Murshidabad branch of the Eastern Bengal (State) railway from Lalgola to Gherra, 13 miles, on the 5' 6" gauge, and from Krishnagar station on the same branch to Jellinghee, 56 miles, on the 2' 6" gauge

By the Great Indian Pennsula railway from Bellarpui to Warangal, eastern route, 183 miles, Kazipet branch, 8 miles, and a portion of the western route from Muravaya to Chintalchem, 22 miles, on the 5' 6" gauge, and reconnaissance surveys of lines from (1) Dewalwari to Bamena, (2) Riponpelli to Gawalkoonda, (3) Sironcha to Gamalkonda, (4) Madarum to Chitur, and (5) Sironcha to Parkal, aggregating 175 miles.

The extension of the Nilgiri railway from Coonoor to Ootacamund, 12 miles (now under construction), on the 3' $3\frac{3}{8}$ " gauge, by the State

Reconnaissance surveys by the Nizan's Guaranteed State railway of lines from (1) Purbhani to Latur, 71 miles, Hyderabad to Guntakal, 190 miles, and Wadi to Nanded, 210 miles, all on the 3' $3_3^{s''}$ gauge.

By the North Western (State) railway lines from (1) Thal to Parachinar, 59 miles, (2) Chuharkana to Shorkot Road, 131 miles, (3) Lodhian to Khanewal, 57 miles, and (4) Patiala to Jakhal, 50 miles, all on the 5' 6" gauge

A line from Balamau to Sitapur, 37 miles, on the 5' 6" gauge, by the Oudh and Rohilhand (State) railway

Lines from Pertabgan; station, on the Tirhoot (State) railway, to Birpore on the bank of the Kosi river, 15 miles, and from Dhang, on the same line, to Bairagnia, together with a site for a permanent bridge over the Bagmatti river, 3 miles, on the 3' 32" gauge, by the Bengal and North-Western railway

A reconnaissance for a failway from Bhamo to Tengyüeh, 124 miles, on the 2'6" gauge, by the Burma railways.

The Jodhpur-Bihaner railway made a reconnaissance survey for a light line from Mirpur Khas to Jhudo, 47 miles

By the Robitkund and Kumaon railway, for the extension, to Ramnagar Ghat, of the Dudhwa branch of the Lucknow-Baieilly iailway, 21 miles, on the 3' 33" gauge

By the South Indian railway for doubling the line from Midias Berch to Pallavaram, 15 miles, from Kumbakonam to Mannargudi, 23 miles, from Cuddalore to Vriddachalam, 34 miles, all on the 3' 3_3^2 gauge

An extension of the Baraset-Basirhat Light railway from Busirbat to Hussanabad, 8 miles, on the 2' o" gauge

Survey of the Shahdara (Delhi)-Saharanpur Light railway with a branch to Meetut, 125 miles, on the 2'6' gauge

An extension of the Howrah-Amta railway from Autpur to Champadanga, 8 miles, on the 2'0" gauge

25 The following surveys are in progress -

By the Bengal-Nagpur railway lines from (1) Kamptee to Ramtek, 20 miles, on the 5' 6" gauge, (2) Tumsar Road to Kitangi, 50 miles, (3) from a point on the Mandla branch of the Satpura railway to Bilaspur, 170 miles, and (4) from a point between Gurmasain Hill to Sin, 52 miles, all on the 2' 6" gauge, and a reconnaisaince survey from Gurmasain Hill to a point between Narsinghai and Chakalia, 35 miles, on the 2' 6" gauge

By the Eastern Bengal (State) railway, (1) the location of a line, on the 3' 33" gauge, from Forbesgan; station, on the Debigan; branch of the Behar section, to the Nepal frontier, 6 miles, to serve Nepalgan;, a rapidly using trading centre situated three miles beyond the frontier, (2) from Ringing station, on the Gaubiti extension, to Texpore in Assain, 78 miles, on the 3' 3' gauge, and (3) from Netrokona to Lengar Bazar in Assain, 40 miles, on the 3' 3' gauge

By the Mudias iailway from Dhaimpuri, viā Pilakodu, to Kiishnagiri, and from Palakodu to Bingaloie, 92 miles, on the 2'6" gauge

A reconnaissance survey by the Nizam's Guaranteed State railway for a line from Wadi to Kopbil

By the North Western (State) railway from Jhang, viá Chunot, to Singla, 70 miles, on the 5' 6" gauge

By the Oudh and Rohilhhand (State) railway from Rosa to Sitapur, 52 miles, on the 5 6' gauge

By the Bengal and North-Western railroay from Bennes to Allahabad with a branch to Mirzipur, 75 miles, on the 3 33" gauge

A detailed survey for a rulway on the 2' 6" gauge from Bhamo, on the Burma railways, to Lengyuch, 121 miles

By the Assam Railways and Trading Company (Dibru Sadiya railway), an extension from Talap station to Saikhwa Ghat, 9 miles, on the 3' 33" gauge

By the Jolhpur Bikaner railway from Borawar to Hissar, 180 miles, on the $3'\,3\,_8^{3r}$ gauge

The re-survey, by the Robithund and Kumion railway, of the Prhibmt-Barmdeo branch, 3S miles, on the 3' $3_{\rm s}$ ' gauge

By the South Indian railway from Pulghit, viā Kollengole, to Pollachi, 38 miles, on the 5' 6' gauge, and from Thuturaipundi to Vedananyam, 20 miles, on the 3' 3' gauge

From Gadag, on the main line to Yalvigi, on the Hailin branch, about 38 miles, on the 3' δ_8 ' gauge, by the Southern Mahratta railway

Brief notes on projects for new lines.

26 The District Board of Kiurnool submitted proposals for the construction, on the 3' $3\frac{3}{8}$ " gauge, of the Kurnool Road (Dhone), Kurnool radway (Madris), 32 miles, with the help of a special cess levied under the provisions of amended section 57 (n) of the Madras Local Boards Act, 1884 (V of 1881), supplemented by a loan from the Government of Madras under the Local Authorities Loan Act, 1879 (XI of 1879) The proposals are awaiting a decision on the question of the alignment of

the proposed through metre gauge connection between the railways in northern and southern India

Revised proposals for the construction of the Rawalpindi-Murree railway (Punjab), 40 miles, on the 3' $3\frac{3}{5}$ " gauge, are under consideration

The construction of a 5'6' line from Sarai Kala to Abbottabad, about 50 miles, and thence on the 3' 33" gauge, viá Domeli and Baramula, to Srinagar, about 160 miles (North-West Fiontici Province and Kashmii), the latter section to be worked by electricity, is under the joint consideration of the Government of India and the Kashmii Darber

The terms of concession for the construction of the following extensions of the Dacca (State) iailway, viz —

| | Gauge | Miles |
|--|--------|-------------|
| (1) Myme usingh, via Netrokona, to Bara Ari, with a brinch to Gaulipur (Eastern Bengal and Assim) | 3′ 33′ | 36 <u>1</u> |
| (1) Singhjani, vid Sherpur, to Nalitabari (Eastern Beng il a id Assam) | 2' 6" | 25 |
| The state of the s | | 20 |

are under consideration

Proposals for constructing a sterm tramway on the 2'0" gauge from Cawnpore to the left bank of the Junna, opposite flamingur (United Provinces), 351 miles, which were stated in the last report to be under consideration, have fallen through, as the promoters do not desire to proceed with the scheme on the terms offered

The following proposals, also mentioned in the report for 1904, are still under eousideration —

- (i) for extending the Ahmedabad-Dholka railway from Dholka to Dhandhu-ka (Bombay), 40 miles,
- (u) for constructing a steam tramway from Dhandhuka to Ranpur (Bombay), 15 miles,

together with an alternative proposal, put forward by the Bhavnagar Gondal-Junagad-Porbandar railway administration, for extending their 3' 33" gauge railway from Ranpur to Dhandhuka and thence to Dholka

Negotiations for the construction of the following lines have not advanced since 1904 —

- (a) a tramway or light railway on the 2' 0" or 2' 6" gauge from Kamptee to Declapar, with a branch from Munsar to Ramteck (Central Provinces), 31½ miles,
- (5) a light railway on the 2' 6" gauge from Serajganj to Ullapaia (Eastern Bengal and Assam), 18 miles

The following proposals for rarlways to be constructed were received during

- (1) a light railway from Samestipui to Rowsara (Bengal), 17½ miles, to be financed by the District Board of Darbhanga,
- (11) a light railway from Rowsara to Khagaria (Bengal), 44 miles, to be financed by the District Board of Monghyr,
- (111) an extension on the 3' 33" gauge of the Ahmedabad-Parantij railway from Idai Road to Bramhakhed (Bombay), 32 miles,
- (11) a sterm tramway from Borjan to Suntrk (Eastern Bengal and Assam), about 8 miles, of which about 6 miles to be on the 3 33" gauge and the remainder on the 2'0" gauge

As regards (i) and (ii) the District Boards have signified their intention of withdrawing their proposals in favour of the lines proposed by the Bengal and North-Western railway from (a) Darbhanga to Khagaria and (b) from Samastipur, riá Rowsara, to some suitable point on (a), provided the lines are undertaken within a reasonable time Projects (iii) and (iv) are under consideration

The following proposals for railways in Aden were under consideration on the 31st December 1905 —

- (1) construction of a 2'6' gauge line from Aden to Nobat Dakim, viá Lahej, 40 miles,
- (11) construction of a railway from Aden to Sheikh Othman and D'thala

A meeting of the Railway Board was held at Hyderabad in July 1905 to record the views of iailway administrations interested in the proposed through metre gauge connection between the railways in northern and southern India. After a careful consideration of these views the Railway Board formulated definite proposals for carrying the scheme into effect. These are under the consideration of the Government of India.

The promoters, Messrs Wilson & Co, of the Madura District Light (Vargar Valley) railway, have since renounced the concession granted to them for the construction of this line, in consequence of their inability to form a company and to raise the necessary capital

In connection with a proposal of Messrs. Tata and Sons of Bombay for building Iron and Steel works near Sini, sanction was accorded to the survey, by the Bengal-Nagpur railway, of a line on the 2' 6" gauge between Guimasaini Hill in the Moulbhanj State and the Bengal-Nagpur railway near Sini, 52 miles, also to a reconnaissance for a line, about 35 miles in length, from the hill to a point on the main line between Nursinghar and Chakulia Messrs Tata and Sons have since represented that the line should be on the 5' 6", instead of on the 2' 6", gauge The question is under the consideration of the Government of India.

The construction of the Tinnevelly-Tiruchendur railway branch is in abeyance, pending the settlement, between the South Indian Railway Company and the Tinnevelly District Board, of terms for its construction and working

A scheme for working both the Nilgiri railway and the Coonoor Ootacamund extension thereof by electricity has been investigated. The estimate is under consideration

A scheme for a canal and harbour at Rameswaram having been put forward for consideration, the British Admiralty intimated that, from an Imperial standpoint, a harbour at Rameswaram would be of no strategic value. Its commercial value and the probable cost of the necessary marine works are under investigation by the Marine Department and the Government of Madras.

APPENDIX 1

List of open lines of Railway at the close of the Calendar year 1905 alphabetically arranged, with their lengths, the administrations by which worked, gauge and classification

| | | | 1 | | ins, the aam | inistr | ation. | s oy 1 | onich | work | seα, g —— | aug | e and | clas | sific | atro | n |
|---|----------|-------------|---------------------------------------|-------------------------------|---|--|--------|----------------------|-------------------------|----------------|--------------|--------------|---------------------------|---------------------------------|----------------------|-----------------------|--|
| | • - | ot. | | denote | | Date of | | Itxa | n ao nr 170 | AILWAY, | IY MILE | 3 01E | CLASSIFI | DEGES POITE | CBBR I | 905, | |
| | No Bi | KE KE | Name of Pallway | used to denote of rallways | Ballway administra tion by which worked. | first op ning of any portion for | Gange | 17:017 | lines ed by ey of | Guaran teed | Assist ed | Un assist | Lines ow States : | ned by l and work ency of | ative ced by | foreign | Renauce |
| • | Maln | Sub hr 1 | | I etfors names | | trafilo | | State rati way | Com pany | railway | | rall way | Antivo State itself | Com pauy | State rail way | Lines in territory | |
| | | | A | | | | | | | | | | | | | | |
| | 5 | (3) | Agra Delhi Chord | ADC | Great Indian Penin sula 1 J Co | 111-01 | 56' | | 119 75 | | | | | | | | |
| | 2 | (g) | Ahmedabad Dholka | A D | Bombay Baroda | 23 2-03 | 3,31 | * | | | 33 50 | | | | | |) |
| | 2 | (A) | Ahmedabad Paran tij | 1 P | India Py Co | 1-5-97 | 3,31, | | | | B1 70 | | | | | | } Rehate lines |
| | 31 | (a) | Assam B ngal | AB | A sam Béngal Ry Co | 1793 | 3 31' | | 710 39 | | | | | | | | Ti |
| | | | В | | | | | | | | 00.00 | | | | | | |
| | 21 | (4) | Baraset Bas'rl* I ight | BBL | Barret Basirhat L! ht Ry Co | 1 2-05 | 26' | | | | 26 (0 | | | | | | Subsidized by District Board |
| | 22 | (a) (b) | Barel Fight Bella y Layadrug | n i | Barsi Fight Py Co Southern Mahratta Ly Co | 1307 | 26 | | 33 35 | | 2, 93 | | | | | | Government land provid ed free |
| | 12 | (a) | Berral and No ti Western | 3. a. | Benral and No lb Weste uly Co | 2-1 91 | 23, | | | | 901 33 | | | | | | Government land provided |
| | 13 | (a¹ | Bangal Docum | B D |) (| 15-1 73 | 3 3'' | - | | | 38 40 | | | | | | free Subsidized by District Board |
| | 13 | (a) | U nwal Pooses Fx tensions | R D | Rengal Donars | *0-1-03 | 3 31 ' | | | | 116 56 | | | | | | Government land provided |
| | 1 | (°) | B ==21 \r=par | в | Bengal Vagpur Ry C | te a | s c | | 1 6:0 70 | | | | | | | | frec, |
| | 8 | (b) | Bezwada Extension | B F | Niz-ris Cinzernteed Sat Hy Co | 10-7 59 | 5 ថ | | 20 23 | | | | | | - | | |
| | 11 | (a) | Bhutnagar-Gen fal Junagad Lorbanda | BLI | Phay namar Gondal July and Perlandar Rg | 20-12 50 | 3 31 | | | | | | 331 19 | • | | | Incindes 6 23 miles of dock catate and quarry lines |
| | | | (Bho 1 It., il (Ut tish ser lor) |] | ., | 1-6-92 | 5 6" | | 13 11 | | | | | | | | |
| | ō | te) | Bhop I Iteral (Sutire Ente | } 11 1] | Orcat Indian | 19 11 94 | 5'6 | | | | | | | 41_9 | | | |
| | 5 | (d) | ne timi Blopal Ljjala | nt | Co Co | 11 11 % | ε.α | | | | | | | 113 .7 | | | |
| | 15 | (r) | | | Jodhpur Bil anie Ry | 9 12 91 | 3 31' | | | | | | າ1 3 | | | | |
| | 8 ~ | | Flux-Goora Daran Diror Shimoga | | sula Py Co Sinthern Inbrat's | 1 12 00 | 3 3," | " | | | | | | 14, 03 37:02 | | | |
| | | 1 | H av. Barofa-J | | lly Co Barrery Preodused | | 2,04 | | | E0135 | | | | 31732 | | | Guaraniced under old con |
| • | - | | Leutral India | C 1 | Central Lidia 1 y Co | | | | | 10.33 | | | | | ļ | | tract Includes 39 23 miles of 3 31" gauge line between Viramgam and |
| | 25 | (a` | Bokhtlarpare Belw I saht | вв | Bukhtisynore B-b-r | 1 7-03 | 2 6* | | | | 15 .0 | | | | | | Wadhwan Subsidized by District |
| | I v | (a) | | n | light I v Co Burma Railvoys Co | 2 5-77 | 3 3, | | 1,310 10 | | | | | | | | Board |
| | | | a | | | | | | | | |] , | | | | | |
| | 10 | (c) | Campo e Burl ml (metre gauge link) | CBJ | Gudh and Bohil kland Stato By | 2111 99 | 3 31 ' | 70 63 | | | | | | | | | Froludes 3 40 miles of the Lucknew Barollly rail |
| | | | | | | | | | | Ì | | | | | | | way between Aushbagh and Daliganj, worked over, but includes 16 79 miles of mixed (5 6' and 3 3') gauge line be- tween Burhwal and Bara |
| | | | | | | ; | | | | | | | | | | | miles of mixed (5 6' and 3 31") gauge line be- tween Burhwal and Bara |
| | | | | | | | | | | | | | | | | | the Campore Bridge of the Oudh and Robil |
| | 3 | (J) | Coo h Bchar | СВ | Fastern Bengal State Ry | 15 0-03 | 2'6" | | | | | | | | 33 60 | | khand Stato Bailway |
| | 27 | (a) | Cat h . | c | Cutch By | د19-5-0 | 2'6' | | | | | | 11 56 | | | | Includes 6 19 mile of dook estate line |
| * | | | D | | | | | | | | | | | | | | |
| | D | (1) | Daudot Light | DI | Sorth Western St. le | 8789 | 2'0" | 6 18 | | | | | | | | | |
| | 30 | (a) | Darjeellog Himala | ъп | Darjeeling Illma loyan By Co | 23890 | 2'0" | | | | £1 00 | | | 1 | | | Subsidized by the Local Government |
| | 4 | (8) | Deihi Umbalia Kaika | DUL | I ast Indian Ry Co | 1371 | 5'6 | | | | 102 30 | | } | | | | Subsidized by the Government of India |
| | 16 | (a) | Deoghur | D | Deorhur Py Co | 23 17 92 | 3 3}" | | | | 4 79 | | | | | | Government land provided free |
| | | | | | | Cartice | over | 65 78 | 09 7ر9 3 | 5013. | 1 433 12 | | 501 40 | 311 10 | 33 60 | | |

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APPENDIX 1-contd

List of open lines of Railway at the close of the Calendar year 1905 alphabetically arranged, with their lengths, the administrations by which worked, gauge and classification

| | | | enote | | | | LETGI | H OF BA | ILWAY I | Y MILE | OPET | OV 31sT | Drckuz | DER 190 |)υ | |
|----------|--------------|--|---|---|---------------------------------------|-----------------|----------------------|----------|-----------------|----------|------------------|---------------------------|------------------|----------------------|------------------------|---|
| No Be | Y I | Namo of Bailway | d to d | Railway administra tion hy which worked | Date of first opening of any | Gange | State works | ed hy | Guaron | Assist | Un assist | States | wned by ind work | Native ed by | fore | Renadre |
| fain | Sab head | | Letters used to denote names of railways | Down | portion for traffic | | State rail way | | teed railway | eð | ed rul nay | Native S ate itself | Com pany | State rali way | I ines in territory | • |
| | <u>ة</u> ق | | - | | | | | | <u></u> | | | | | | | |
| | | D-concld | | ı | Brought | forward | 8a 78 | 3 957 03 | 50130 | 1,433 12 | | 591 40 | 311 10 | 33 60 | | |
| 14 | (6) | Dhrangadra | рнв | Bbaynagar-Gondal Junagad Porban dar By | 1 6-99 | 3′31″ | | • | | | | 23 83 | | | | |
| 17 | (0) | Dibru Sadiya | DS | Assam Railways and Trading Co | Ang 82 | 3'31" | | | | 77 50 | | | | | | Suhsidized by Local Government |
| | | E | | | | | | | | | | | | | | |
| | | Eastern Bengal State— Behar Kannia Dbubri and Northern sco- tions | 1 | | 23 8 77 | 3' 33 ' | 698 09 | | | | | | | , | | |
| 3 | (6) | British section Santrabarl ex tension and Banaghat Krish nagar and Teesta Kuri gram branches | E B | Eastern Bengal - State Ry | 18 7 61 | 2 6' | ნა 03 | | | | | | | | | |
| 3 | (a) | Central, Eastern and Southern sections | EBS | | 4 1 85 2-1 62 | 3 31 ' 5' 6" | 85 9° 497 95 | | | | | | | | | |
| 4 | (a) | East Indian | ΕI | East Indian By Co | 15 8-54 | 5′ G″ | | 1 972 30 | | | ļ | | | | | |
| | | G | | | | | | | | | | , | | | | |
| 2 | (n) | Gackwar s Dabboi | Gр |) (| 8-4 73 | 2' 6" | | | <u> </u> | | | | 91 40 | | | |
| 2 | (e) | Gackwar s Mehsana | G M | Bombay Baroda and Central India Ry Co | 21 3 8, | 3 3} | | | | | | | 92 63 | | | |
| 2 | (b) | Godhra Bntlam Nagda | GRN | j | 16-1 93 | 5′ 6 ′ | | III 11 | | | | | | | | |
| 5 | (a) | | GIP | Great Indian Penin sula Py Co | 18-4 53 | ₽. C. | | 1,561 63 | | | | | - | | | |
| 23 | (a) | Gnutakal Mysore Frontier | GMF | Sonthern Makratta Ry Co | 1 3 92 | 3 aku | | 119 50 | | | | | | | | |
| 5 | (g) | Gwallor Light H | Gr | Great Indian Penin sula Ry Co | 2 12 99 | 2'0" | | | | | | | 183 53 | | | |
| 10 | (ð) | Hardwar Dehra | нр | Oudh and Rohil khand State By | 1 5-00 | 5 6" | | | 32 01 | | | | | | | Guaranteed under modern contract. |
| 22 | (e) | Hindupur (Yesvant pur Mysoro Fron | н | Southern | 15 12 02 | 3 31' | | | | | | | 61:35 | | | |
| 23 | (f) | tier) Hospet Kottur | пк | Mahratta Py | 1405 | 3′3 <u></u> [″ | | 43 06 | | | | | | | | |
| 26 | (a) | Howrth Amta Light | на | Howrah Amta Light Py Co | 1797 | 20, | | | <u> </u> | 37 19 | | | | | | Snbsidized by District |
| 37 | (a) | Howrah Sbeakhala Light | нѕ | Howrah Sheakhala Light Py Co | 2 ~9, | 2' 0' | | | | 19 70 | | | | - | | Board |
| 8 | (e) | Hyderabad-Goda vari Valley | поу | Azzam s Guaranteed State Bys Co | 21 10 99 | 3 3}" | | | | | | | 391 13 | | | Includes 582 miles of mixed (5' 6 and 3 3 1) gauge line hetween riyderabad and Scon- |
| | | I | | | | | | | | | | | | 10 | | Aizam s Gnaranteed State railway trains also |
| 5 | (5) | Indian Midland | IM | Great Indian Penin sula Ry Co | 10 1 78 | 5 G" | | 807 90 | | | | ~ | | | | work |
| | | | | | Carried | over | 13 0 76 | 3 602 61 | 630 30 | 1 667 50 | | 612 23 | 1 154 23 | 33 60 | | |

APPENDIX 1-contd

List of open lines of Railway at the close of the Calendar year 1905 alphabetically arranged, with their lengths, the administrations by which worked, gauge and classification

| | I ENGIN OF RILLWAY IN MILES OPEN ON 31ST DECEMBER 1803, UNDER SEVERAL HEADS OF CLASSIFICATION | | | | | | | | | | | | | | | |
|----------|---|--|------------------------|---|------------------------------|---------|----------------------|-------------|----------------|--------------|--------------------|---------------------------|-------------|----------------------|-------------------|---|
| N UI | | | | Darlana - 3 | Date of first | | State | ines | .a sever | AL HEAD | | Linesov | ned by I | ative | foreign | _ |
| | | Name of Bailway | nsed to of rallways | Railway administra tion by which worked | opening of any portion | Gauge | norke | | Gnaran teed | \seist ed | Un aseist od | States | sency of | ea by | 1 | Remars |
| Main | Sub head | | f etters n names o | | for traific | | Sínto rail way | Com pany | railway | railway | rail | Native Stato it elf | Com pany | St te rail war | Ines in terretery | |
| | | J | | | Bronght | forward | 1 370 76 | 8 60° G1 | 638 39 | 1,56/ 56 | | G12 23 | 1 151 23 | 33 60 | | |
| 2 | (5) | Jaipar (Siwai Ma | ј 5 м | Bombay Baroda and Central India Py | 10 11-0ə | 3 3}" | | | | | | | 32 19 | | | |
| 9 | (b) | dhopur) Jamma and Kash mir (Native State section) | , , | Contrar India 1 3 Conth Western State | i | 56' | | | | | | | | 15 93 | | The British section of this ruleast forms an integral portion of the North |
| 34 | (0) | Jamnagar | JN | Bhavnagar Gon | 8 1 97 | 3 31, | | | | ! | | 51.29 | | | | Western State railway Includes 3 93 miles of dock estate lines |
| 14 | (d) | Jefalsar Rajkot | JR | dal Junagad Porbandar Ry | 12-4-93 | 3' 31 | | | | 1 | | 46 21 | | | | 2001 001110 |
| 18 18 | (a) (c) | Jodhpur Jodhpor Nydern | J H | Jodhpur Bikaner | 2466° 18-802 | 3 31" | | 193 98 | | | | 463 99 | | | | The Native State section |
| | | had British sec- | | | | | | | 1 | | | | | | | of this railway forms an integral portion of the Jodhpur railway |
| 38 | (a) | Jorhat | J | Jorhat Ry | 15 12 81 | 2 0' | 39 25 | | | | | | | | | |
| 1 | (6) | Jubbulpore Gondia Extonsion | 1 G E | Rengal Nagpur Ry Co | 18-4 03 | 2'6' | | 223 77 | | - | | | | | | |
| 20 | (a) | Kalka Sımla | кв | Delhi Umhalla | 9 11 03 | 2'6' | | ŀ | | DO 44 | } | | | | | Government land provided |
| 30 21 | (b) | Karaikkal Peralam | 1 | Asika Ry Co South Indian Ry | 14-3 98 | 3 3]" | | | | | | } | | | 14 00 | free |
| 9 | (g) | Khushalgarh Ko hat Thal | KET | North Western | 25 5 02 | 2 6' | 91,73 | | | - | | 1 | | | | { |
| 6 | (b) | Kolar Gold fields | K G | Stato Ry Madras Hy Co | 1-6 01 | 5 G' | } | | 1 | | ł | ۱ ، | 28 8 | | | |
| 22 | (g) | Kolhapur L | KL | Southern Marhatta By Co | 21 4 91 | 3,3% | | | } | | | | 20 27 | | | |
| 17 | (b) | Ledo and Tikak Margherita Col | гт | Assam Railways and Trading Co | 17281 | 3 3]" | | | - | | 9 50 | | | | | |
| .0 | (b) | Lucknow Baroilly | гв | Robilkund and Ku | 17 10 85 | 3 31 ' | 1 | 237 01 | ļ | 1 | | | | | | |
| Đ | (c) | Ludhiana Dhuri Jakhal M | LDJ | maon Ry Co North Restern State Ry | 10-1-01 | 5'6' | | | | | | | | ,8 CG | | |
| 6 | (a) | Madras | 31 | Madras By Co | 1776 | 5.6 | |] | 90 \$ 01 | | | | | | | Guaranteed under old con |
| 0 | (0) | Madras (North East line) | иуе | Madras By Co { | 20 2 93 | \$ 6' | 1 | 497 10 | | | | | , | | | Includes 3 66 miles of mixed 65' 6" and d 35' gage line letween Bez wada and Kistna Block |
| | | 2001 1000 | |] | | | l | l | Į | | | İ | | | | guige line letween Bez wada and Kistna Block hut and 031 milo o |
| | | | | | | | | | | | | | | | | 3 8, gauge line between |
| | | | | ļ., | 11 3 86 | 3' 3%" | | l | | | | 73 01 | | | | Tadepa'lı |
| | ı | Morri | 1 | Morri Ry Bengal Nagpar Ry | 21 3 87 2) 1 0s | | | | - | | | 15.0 | 32 11 | | | |
| 3 | (0) | Monrbhanj Mymensingli Jamal | MB | l Co | 1 | 1 | | | | 50 69 | | - | | | | Pebate line |
| | | Mymensingli Jamal pur Jagaunath ganj | • | Eastern Bengal State By | ł | 2 01/1 | l | | 1 | | | | 15 80 | | | |
| 23 22 | (b) | Mysore-Nanjangud Mysore Section | ии | Sonthern Mahratta Ry Co | 1 12 91 | 1 . | l | 298 27 | | | | | 1000 | | | |
| | " | (Soutbern Mah ratta) | | | | | | | | | | | | | | |
| 2 | (c) | Nagda Ujjam | ΝU | Bombiy Baroda and Central India | 15706 | 5' 6" | | - | | | | | 31 32 | | | |
| 6 | (d) | Nilgiri | N | Ry Co Madras Py Co | 10 6-99 | 8' 33 ' | 1 | 16 99 | | | | | | | | |
| 8 | (a) | Aizam s Gnaran teed State | NGS | Nizam s Gnaran teed Stato Pys | 9 10 ~4 | 56' | 1 | | 1 | | | | 33 0 11 | | | Includes 5 87 miles of mix ed (5 67 and 3 3 3) gang line between Hyderal 1 |
| | | teed State | | Co Diato | | | Ì | | | 1 | | | | | | line between Hiderala and Seconderabad ove |
| | | | | 1 | | | 1 | | | | | | | | | and Seconderabid ove which the Hyderabid Godinari Villey railway traing also work |
| 11 | (6) | Noakhall (Bengal) | NB | Assam Bengal Ry | 15 5 03 | | ł . | | | 31 90 | | | | | | Rebate lino |
| 9 | (a) | North Western State | NW | h 1 | 13 5 CI | 5 6" | 3 268 E5 | 1 | | | | | | | | Includes 6 C3 miles of mili |
| | | | | North Western | | | | | | | | | | | | Includes 63 miles of mile tary line not used for public traffic and 26 25 miles of mixed 15° 6" and 3 3‡° 15 rauge line betwee Bhatinda and Kot Kapa ra over Which the Raj putina Valva railway trains al owork |
| | | | | Dinio my | | 1 | | | 1 | 1 | | | | | | ra over which the Raj putana Malva railway |
| 9 | (ħ) | Nowshera Durgal | N D | () | 1101 | | 40 20 | 1 | Į | | | | - | | | traius ai o work |
| | | 0 | l | | 1 | 1, | | | | | | | | | | |
| 10 | (a) | Ondh and Robil | O & R. | Ondh and Rohll Lband State By | 23-4 67 | 5'6" | 1 16. 03 | - | | | 1 | | | - | İ | Includes 16 79 miles of mixed (5 6' and 8' 34' ginge line between Burby val and Bura Hanli and 0 59 mile on the Cawppor Bride, and 1 91 miles of 3 3-' gaugo between the Oodh and Robilbham State railway canton ment and the Bengal and North Western railway. |
| | 1 | Lhand State | | | 1 | | 1 | | | | | | | | | gange line between Burh val and Bara Banli and |
| | | 1 | | | | | | | | | 1 | ` | 1 | | | Bridge and 1 SI miles o 3 3-' gaugo beineen the |
| | | | | | | | | | | 1 | | | | | | Oudh and Robilkhan State railway canton |
| | 1 | | | | Ga1- | | 010 2 | 10000 | 1 440 4 | 0 1 519 ~ | 0 8 50 | 1,766 19 | 1 610 0 | 1920 | 1 34 R . | |
| | | | 1 | | Justice | over | n afo b | ا سرر | 340 % | 1. 170 0 | 1 " " | 1, 00 1 | 1. 003 20 | 1.23.2 | 1-203 | and arming as penates |

APPENDIX 1-concld

List of open lines of Railway at the close of the Calendar year 1905 alphabetically arranged, with their lengths, the administrations by which worked, gauge and classification

| 1 | | | denete | | Det : | | LETO | TH OF B CPH | CILWAY Er bevei | IN MITES | OPEN | OY 31et | DECEM | DER 10 | 05 | |
|----------|-------------|--|--------------------------------------|--|--|----------------------------|-----------------------|--------------------------------|--------------------|--|---------------|---------------------------|--|----------------------|-----------------------|--|
| NU | | Name of Pailway | Letters need to names of rillways | Ballway admini tra tion by which worked | Dote of first opening of any portion for | Gauge | Statu work ageu | lines ed by ey of | Guaran teed | ed | Uu assist | Lines o States | wned by and wor gency of | Native Led by | = | Remid r s |
| poud | Sab her? | | Letters | | traffic | | State rail way | Com pauy | railway | rallway | rail | Notive Stote itself | Com pauv | Stoto rail way | Lines in territory | |
| | | P | | | Brought f | orward | y 91G 89 | 10 002 80 | 1 410 40 | 1 712 50 | 8 50 | 1,966 19 | 1 633 24 | 128 2 | 14 65 | |
| 2 | (L) | Palanpur Deesa | PD | Bombay Baroda and Central Indio | 8 11 03 | 3 34" | | 17 28 | . , | | | | } - | - | | |
| 1 | (d) | Parlakımedi Light | PLL | Rv Co Bengal Yagpur Ry Co | 1-4-00 | 2'6' | | | | | | | 2162 | | | |
| 2 | (d) | Petlad Cambay (Anand Tarapur | PCA | Bombay Baroda { and Central { 1 udia Ry Co | 5 5 00 | 5' G' | | | - | | | | 21 50 | | | 1 |
| 2 | (e) | Petlad Cambry (Taropur Cambry | PCT | India By Co | 20-6 01 | 5'6' | | | | | | | 10 92 | | | |
| 21 | (c) | section) Pondicherry | r | South Indian Ry | 15 12 70 | 3'3]' | | | | | | | | - | 785 | |
| 20 | (c) | Powayan Light R | PWL | Co Pobilkund and Kumaon Ry Co | 17 0 90 | 2' 6" | | | | 39 50 | | | | | | Government land provid |
| 1 | (e) | Palpur Dhamtarı | RD | Bengal Nagpur Ry | 10 0-00 | 2' 6" | | 56 24 | | | | | | | | |
| 2 | 10) | Rajpipla | P | Bombay Baroda ond Central India | 1797 | 26' | | | | • | | | 37 37 | | | |
| 8 | (d) | | RB | Ry Co North Western Sta e Ry | 1 | 5 6' | | | 1 | | | | | 107 05 | | , |
| 2 | (I) | Rajputana Malwa | PM | Bombay Baroda and Central India Ry Co | 14 2 73 | 3 31" | | 1,762 38 | | | | | | | | Includes 2 10 miles, 3 miles and 0 94 mile 1a in the 5 6' gauge Ujiain hetween Ag cantonment und Ag East Bank stations in |
| | | | | | | | | | | | | | | | | from Labori Gate cab to Brewery cabin Delbi respectively in 2028 miles of mixed 6' and 3 31") gango hi between Bhatindh ai Kot Kanura ovar whi |
| | | | } | | | | | | | | | | | | | Kot Kapura over whi the North Western Sta |
| 0 | (a) | Lumaon | RÆK | Rohillund and Kumaon Ry Co | 12 10 81 | 3 3]" | | | | 53 03 | | | | | | railway trains also wor Subsidized by the Gove ment of India |
| 6 | (e) | S Shorannr Coolin | sc | Madras Ry Co | 2-6-02 | 3' 31' | l | | | | | | 64 75 | | | |
| 4 | (c) | South Bohar | SB | East Indian Py Co | 5793 | 5' G' | l | 1 | | 78 70 | | | 03.70 | ' | | Bebate line |
| 1 | (a) | South Indian | s I | South Indian Ry Co | 15 7 61 | 3' 31" | | 1 193 05 | | | | | A+ | | | |
| 2 | (a) | Southern Mohratta | B W | Southern Mabratta Ry Co | 21384 | 3' 31 | 1 | 1 042 04 | | | | | | | | |
| | (e) (f) | Southern Punjah Southern Punjah Extension | SPE | State Ry | 10 11 07 | 5 6' 5'G' | | | | 4º0 33 77 00 | | | | | | Rebate line |
| | | T | | | | | | | | | | | ' | |] | |
| 21 | (d) | Board | 1 | South Indian Ry Co | 2-4-91 | 3' 3%' | | | | 09 46 | | | | | | |
| 32 | (f) (a) | Taptı Valley Tarakeshwar Magra Lışlıt | T V | Bombay Baroda and Central India By Co Bengal I rovincial Light Py Co | 7 11 94 | 5' G' 2' G | | | | 15. 48 | 33 27 | | , | , | | Rehate line |
| 4 | (ď) | Tarkessur | т | Last Indian Py Co | 1185 | 5' 6" | | ! | | 22 23 | | | | | | Government land provid |
| 3 | (a) | Tezpore Balıpara Light | тв | Tezpore Balipara Light Py Co | 9804 | 2 6" | | | | 20 10 | | | | | , | free Subsidized by Distri |
| 4 | (a) | Thaton Duyiuzaik Light | тр | Thaton Duyinzaik Fight Ry Co | 11 2-95 | 2 6" | | | | 7 76 | | | | | | Board Subsidized by Loc Government |
| 1 | (e) (f) | (Travancore) (British section) Tinnevelly Quilon | TQB | South Indian { | 1602 | 3, 08,11 | İ | 50 48 | | | | | | | | |
| יי | (b) | (Travancore) (No tivo State section) Tirhoot State | | Bengal and North | 1 8-03 | 3'31" | | 5Go 45 | | | | l | 57 93 | | | |
| 1 | S | Tirupating Arish nagiri | TL | Western Pr Co Madras Ry Co | 18-9-05 | 5 Cu. | | 25 38 | *** | | | | | ••• | | |
| ļ | | σ | | | | | | | | | | . } | | | | |
| 3 | (a) | Udalpur Clutor V | υc | Udaipur Chitor Ry | 1895 | 3′ 31′′ | * | | | ` | | G7 30 | | | | ` |
| 2 | (m) | Vijapur Kalol Kadl W | VKE | Bombay Baroda ond Central India Ry Co | 10-G-0° | 3 31 ' | | | | | | ļ | 41 37 | | | |
| 22 | Ø | West of India Portuguese | WIP | Southern Mahratta Ry Co | 17 1 87 | 3 2 ₁ ' | | | | | | | | | 51 10 | |
| | | Total mileage of rai 31st December 190 | lways ope 15 | en in India and Burm | a on tho | 5 6' 3 31 2'0 2'0 | 761 60 | 6 823 36 7 631 35 310 39 | | 9°1 21 1 4°3 71 199 29 107 91 | 5 50 33 27 | 1 305 03 27 56 | 709 01 : 814 39 169 89 163 53 | 201 G9 33 G0 | 73 60 | |
| | | | | | | Total | 916 69 | 14 665 10 | 1 119 40 | ° 69° 18 | 41 77 | 1 333 40 | 896 74 | 235 20 | 73 GO | |

APPENDIX 2

Mileage added to the Railway System of India during the Calendar year 1905 and the four months following

| Num | BER | Railway | | | | A | DDITIO | ns, In | DU | B, MADE BING 1905 | то ореі | N MILEA | æ |
|---------------|-------------|--|--|--|---|----------------|-----------------|---------------|--------|----------------------|-----------|---------|------|
| | | administration to which rail way has been added | Name of owning railway | Section of line added during 1905 | Date of opening for traffic | | Len | gth | | Total | mileage a | dded to | rail |
| Main lead. | Sub head | | | | | 5 6" | 3 3}" | 2' 6' | 2' 0' | 5 6" | 8' 3}" | 2′ 6″ | 2′ 0 |
| 1 | (b) | Bengal Nagpar | Jubbul pore- Gondia Ex { | Burgi to Howbagh Jabal pur Howbagh Jalalpur to | 7th April 1905 | | | 16 16 1 09 | | | | | |
| | (c) | | Mourbhan | Jubbulpore Rnysa to Baripada | bsr 1905 20th January 1905 | | | 32 41 | | | | 49 66 | |
| 2 | (J) (I) | Bombay, Barola and Control In dia | Jaipur (Siwai Madhopui) Rajputana Malwa | Sanguner to Nawai Phulera to Narnaul | 10th November 1905 18th May 1905 | | 32 18 100•53 | | | | 182 71 | | |
| | | , | [| Ranaghat to Jiagauj | 15th April 1905 | 81 35 | | | | | | | |
| | (a) | Transform | Eastern Ben { | Jiaganj to Bhagwangela Bhagwangela to Lalgela | 15th May 1905 10th November | 7 50 | | | | | | | |
| 3 | (b) | Bongal State | Enstern Bou gal State | Bonarpara to Kannia | 1905 1st July 1995 | 5 90 | 44 47 | | | 94 75 | 41 47 | | |
| | | | ſ | Etmadpur chord | 1st September | 1 11 | | | | 1 | | | |
| 4 | (a) | East Indian | East Indian | Shikohabad to Mainpuri | 150) 1st March 19: 5 | 29 71 | | | | İ | | | |
| | | | ز | Mainpuri to Bhongaon | 17th Angust 1905 | 8 63 | | | | 39 45 | | | |
| | (b) | [| Agra Delhi Chord | Dolhi Sadr to Delhi June | 1st March 1905 | 0 43 | | | | | | | |
| 5 | ഗ | Great Indian j Peninsula | Indian Mid { | Cawnpere Generalgan line Centre of Agra Road sta tion to point of innction with the Balingan branch | 1st March 1905 1st March 1905 | 0 50 0 27 | | | | | | | |
| | | į | į | Portion of Bulinganj branch | 1st March 1905 | 2 10 | | | | 3 20 | | | |
| 6 | ഗ | Madras | Tirapatiur Arishuagiri | Tirnpattur to Krishnagiri | 18th Septembor 1995 | | | °5 38 | | | | 25 38 | |
| 9 | (a) (f) | NorthWestern { State | North Western State Sonthern Pnujab 'Ludhiana' Extension | Nusbkı | 15th Nevember 1905 10th Jnno 1905 | 83-29 77 05 | | | | 160 34 | | | |
| 10 | (aı | Oudh aud Rohilkband | Ondh and Rohil Lhand State | Phaphaman to Allahubad | 1st January 1905 | 7 00 | | | | 7 00 | | | |
| | (a) | State | Bengal and | New entrance of the Tulsi pur branch into Gouda | 1st July 1905 | | 0 95 | | | | | | |
| 12 | | Bengal and North Western | North West } | Uska Bazar to Barhnı | 5th Jannary | | 31 00 | | | | 1 | | |
| | (b) | /Western | Tuhoot | Sakrı to Jaynagar | 14th January 1905 | | 30 47 | | | | 62 42 | | |
| 18 | (a) | Jodhpur Bil-a ner | Jodupur | Morta Read to Merta City | 17th January 1905 | | 8 95 | | | | 8 95 | | |
| | (b) | | Bellary Raya | Bellary to Rayadrug | ist July 1905 | | 33 35 | | | | | | |
| 22 | (f) | Southern { Mahratia | drug Hospet Kottnr | Hospet to Kottur | 1st April 1905 | | 43 CG | | | | 76 41 | | |
| 24 | (a) | Baraset Basır hat Light | Barrect-Basır hat Light | Baraset to Basirhat | 1st February 1905 | | | 26 06 | | | | 26 06 | |
| 25 | (a) | Barsı Lıght | Barn Light | Barsı Town to Kuslamb | 15th Tune 1905 | | | 6 31 | | | | 6:34 | 1 |
| 27 | (a) | Cutoh | Cutch | Anjar to Tuna | 18th May 1905 | | 0 | 11 86 | | | | 11 86 | |
| | | | | | Total milerg | l o adde | i d dnri | l ng 1908 | } 5 | 304 84 | 324 96 | 119 30 | - |

APPENDIX 2-concld.

Mileage added to the Railway System of India during the Calendar year 1905 and the four months following

| Nus | IBER | | | | | A. | DITIGO |)18, IN | MITES | e, made ' | TO OPEN | MILEAG' | 8 |
|--------------|-------------|---|--|---|--|---------|---------------|----------|--------|-----------|------------------------|-----------|-------|
| | | Railway administration to which rail way has been added | Name of owning railway | Scotion of line added during 1905 | Date of opening for traffic | | Long | gth | | Total w | mileage a ry admini | idded to: | rail |
| Main head | Sub head | naaca | | | | 5' 6" | 3' 3]" | 2' 6" | 2' 0" | 5' 6" | 3' 3#" | 2' 6" | 2' 0" |
| | | | | | | | | | | | | | |
| | | | MILEAGE AI | DDED FROM THE 1ST 1 | JANUARY T 1906 | PT 0! | E 318 | T MA | IRCH | בן | | | |
| 1 | (b) | Bengal Nagpar | Jubbulpore Gonali Exten Bion | Chhindwara to Khirsadoh | 15th March 1908 | | | 16 23 | 1 | | | 16 29 | |
| 2 | (e) | Bombay, Bareda and Contral India | } ` ` | Cambay to Cambay Ban | 1st March | 1 39 | | 1 | | 109 | | | |
| 3 | (6) | Eastorn Bongal Stato | l Fastern Bengal State | Golokganı to Kokraıhar | 1st February 1906 | i | 35 75 | | | | 35 70 | | |
| 4 | (a) | Last Indian | Eist Indian | Bhongaen to Farnkhabad | 1st January 1996 | 27 49 | | | | 27 49 | | | |
| 5 | (6) | Great Indian Peninsala | Agra Delhi Chord | Kosı to Sanket | 2ith Fobrary 1906 | 6 06 | | | | 6 06 | · | | |
| 6 | (1) | Madras | Morappur Dharmapuri | Morappur to Dharmaparı | 18th January 1906 | | | 18 14 | | | | 1811 | |
| 9 | S | North Western State | conthern Pun jab 'Ludhi ana 'Exten sion | Perozoporo City to Mac Leod Ganj | 10th Fobraary 1906 | 77 45 | | | | 77 45 | | | |
| 13 | (a) | Bongal and | Bongal and North West | Barhnı to Tul ıpur | 15th January 1906 | | 22 54 | | | | | | |
| - | (b) | North Wes 4 | Tirhoot | Bettiah to Norkatinganj Bhagalpar Kacheri to Barari | 17th January 1906 15th March 1906 | | 22 75 3 .0 | | | | | | |
| | | | 1 | Narkatinganj to Blukun Thoroe | 17th Pebraary 1905 | , | 21 50 | <i>'</i> | | | 70 29 | , | |
| 20 | (a) | Rohilland and Kamaca | Robilkund and Kumaon | Bar illy to Soron | 29th Jnnuary 1906 | | 56 00 |) | | | 56 00 | , | |
| | | | | | | | | | | | | - | - - |
| | | | | Total mileage added fr | rom 1st January | to 31st | March | 1906 | 1 | 112 39 | 9 162 0 | 34 4 | 2 |
| | | | | | | | | | | | | | - - |
| 10 | 12) | Towns and | Towns and | MILEAGE ADDED | | | | | ≟ 190€ | 3 | 10 | _ | |
| 12 | (a) | Bengal and North West ern | Bengal and North West ern | Inineari to Jarwa | 12th April 190 | G | 12 5 | 6 | | | 12 5 | 3 | |
| | | | | GRAND TOTAL N | Iileagr open on | e mar s | Отн А | PRIL I | 906 | 15.140 | 54 12,183 | 70 1.01 | 4/3 |

APPENDIX 3

Total Railway mileage opened for traffic during and at the end of each year, and the total mileage opened during the Viceroyalty of each Governor General

| | | opened durin | ng the Vicer | oyalty of each Governor General |
|--|---|--|---|---------------------------------|
| CALENDAR XLAR | Net mileage added during the year | Total mileage open for traitic at close of the year | Total mileage opened duing Vicer yalty | Viceroys |
| 1873 1854 1855 | 20 51 98 | 20 71 169 | } 188 | Marquis of Dalhousie |
| 1856 1857 1858 1859 1860 1861 | 108 18 140 198 218 749 | 272 287 427 625 838 1,587 | 1,418 | Earl Canning |
| 1862 1863 | 746 174 | 2,833 2,507 | } 920 | Earl of Elgin |
| 1864 1865 1866 1867 1868 | 481 405 200 366 79 | 2,958 3 363 3,563 3,929 4,008 | 1,501 | Lord La wrence |
| 1869 1870 1871 | 247 816 808 | 4 255 4 771 5,074 |] 1,066 | Earl of Mayo |
| 1872 1873 1874 1875 | 295 328 529 315 | 5 369 5,697 6 226 6,541 |] } 1,467 | Lord Northbrook, |
| 1876 1877 1878 1879 1880 | 319 460 899 275 668 | 6,860 7,320 8 219 8 494 9,116 | 2,621 | Lord Lytton |
| 1881 1882 1893 1884 | 728 259 309 1,173 | 9 890 10,149 10 458 11,631 | 2,466 | Marquis of Ripon |
| 1885 1886 1887 1888 | 652 609 1,211 478 | 12 288 12,892 14,108 14,576 | 2,945 | Earl of Dufferin and Ava |
| 1889 1890 1891 1892 1893 | 1,311 514 907 507 689 | 15,887 16,401 17 809 17 818 18,504 | 3,828 | Marquis of Lansdowne |
| 1894 1895 1896 1897 1893 | 396 647 707 861 925 | 18 900 19,547 20,254 21,115 22,040 | 3,536 | Barl of Elgin |
| 1899 1900 1901 1902 1903 1904 1905 | 1,483 1,229 611 568 1,025 609 730 | 23,523 24,752 25 363 25,931 26,956 27,565 28,295 | 6,255 | Lord Gurzon |

APPEN

Capital authorized to be raised for each Guaranteed railway, State line leased to companies, and rail 31st Decem

| - | | | AMOUNT AU | THORIZED TO S UP TO THE | o br paised i 1st Decemb | ву тиг Сом ы 1905 | AMOUNT RATE OF S | AIRED BY THE (STATE IN LNOI | Joupanies And And to the |
|-----------|------------------------|--|---------------|----------------------------|-----------------------------|------------------------|--------------------------------|---------------------------------|-----------------------------|
| Nu | MBEE | Railways | | | | | Bharc | Capital | Debenture: |
| Main hoad | Sub head | | Sharo Capılal | Dobenturos | Dobontaro stook | Total | Rate of interest pr cent | Amount | Cash Tecolved |
| - | | Guaranteed | £ | £ | £ | £ | | £ | £ |
| 2 | (a) | Bombay, Baroda and Contral India | 7,550,000 | 2,391,300 | | ٩,911,600 | 5 | 7,528,628 | 2,889,209 |
| 6 | (a) | Madras | 10,257 630 | 2,295 800 | | 12,553,130 | { 42 43 43 | 8,757 670 919 400 800 000 | } 2,292,663 |
| | | Total | 17, 07 "30 | 4,687 100 | | 22,49 ,030 | | 17 786 258 | 4 681,962 |
| | | State lines leased to Companies | | | | | | | |
| 1 | (a) { (b)& (e) { | Bengal Nagpur Do Extensions | 3,000,000 | 1,900,000 3,650,000 | | 4,900,000 3 650 000 | 4 | 3,000,000 | 1,893,015 3,597 196 |
| 5 | (f) | Indian Midland | 3,000,000 | 3,651,100 | | 6 651,100 | 4 | 3 000,000 | 3 616,431 |
| 11 | (a) | Assım Bengal | 1,590,000 | 1,355,900 | | 2,855,900 | 3 | 1,500 000 | 1,352,525 |
| 15 | (a) | Burma | 2,000,010 | | 1,250,000 | 3,250 000 | , 2} | 2,000,000 | |
| 20 | (b) | Lucknow Barcilly section (Rohilkund and Kumaon) | | 147 (00 | | 147,000 | | | 160 837 |
| 22 | (a) | Sonthern Mahratta | 3, 100,000 | 1,215,000 | ı | 4,715,000 | 3} | 3,491,540 | 1 213,863 |
| 22 | (1) | Mysore section (Southern Nahratta) | | | 1,200,000 | 1,200,000 | | | |
| | | Total | 13,400 060 | 11 927,000 | 2 4 0 000 | 27,372 0 10 | | 12 991 510 | 11 663 647 |
| | | Branch lines | | | | | | | |
| 2 | (g) | Ahmedabad Dholks | 86,667 | | | 80,667 | | | |
| 2 | (² i) | Ahmedabad Parantij | 133 333 | | | 173 873 | | | } |
| 10 | (b) | Hardwar Dohra | 200 000 | | | 200 000 | | | |
| 3 | (c) | Nymanaingh Jamalpur Jagaunathgani | 149,620 | | 000.000 | 140,620 | | | |
| 4 | (c) | South Boliar | 000,000 | | 200,000 | 690,000 | | 379,580 | |
| 2 | (f) | Taptı Valloy | 993,333 | | 40,000 | 1,033 233 | | | |
| | | Total | 1,962 953 | | 730,600 | 2 292 973 | | 379 500 | |
| | | GRAND TOTAL | 72,770,883 | 16,609,109 | 2,780,000 | 52 159,983 | | 31 157,378 | 16 545 829 |

Details of Debeuture leans on 31st December 1905 and the dates at which the leans expire

| | 1 | Madras Rail | uy | | | |
|---|--|--|--|---------------|---|---|
| £ | | £ | | | | |
| 149,100 3 proout 180,000 3 nr nout 180,000 3 nr nr nr nr nr nr nr nr nr nr nr nr nr | 15th Juno 1900 10th July 1906 8th January 1907 10th January 1907 80th Juno 1007 1st April 1908 8th July 1908 7th Novomber 1908 1st January 1009 5th May 1910 25th July 1910 1s February 1911 | 111, 0.3 140,000 145,000 100,000 51,200 200,000 81,400 57,300 171,473 62,300 500,000 500,000 203,700 | The state of the s | , ,, ,, ,, | • | 30th June 1926 30th June 1906 31st December 1906 30th April 1907 30th Yune 1907 31st October 1907 81st December 1907 31st Doomber 1907 30th June 1910 1st August 1910 31st December 1910 19th May 1911 30th June 1911 |

DIX 5.

ways constructed under the "Branch line" terms, the amount raised and the amount withdrawn to ber 1905

| ADVANCED | BY THE SECH | ?E- | Angua To the d | T RAISED IV IST DECEMB | India ep 1905 | | TOTAL AMO DRAWN TO DECEMB | | |
|---|---|---|---|--|---|---|---|--|--|
| Debenture stock Cash roceived | Capital not boaring interest (premium) | Advances made to companies from money raised under Act 51, Vict, Cap 5 | Sharo Capital | Dobenture stock | Capital not bearing interest (premium) | Total nmount raised to the 31st Decembor 1905 | During e ilendar year 1905 | Up to the close of calendar year 1905 | REMAPES |
| £ | £ | £ | £ | £ | £ | £ | £ | £ | |
| | 28,883 | 899,775 | 21,672 | | | 10,868,257 | 50,195 | 11,007,098 | |
| | 8,521 | | | | | 12,558,817 | 122,419 | 12,479,210 | |
| | 37,407 | 899,775 | 21 672 | | | 23,427,071 | 172 614 | 23,486,308 | |
| | • | | | | | | | | |
| | 8,150 | 2,760,000 | | | | 7,661,165 | 35,250 | 7,961,998 | |
| | 9,450 | | | | | 3 606,616 | 760,559 | 9,037,980 | |
| | -5,977 | 1,495,000 | | | | 8,135,454 | 60 493 | 8,725,114 | |
| | 15,3:5 | | | | | 2,867,910 | -1,125 | 2 867,910 | |
| 1,199,819 | • | | | | | 3,100,810 | 143,877 | 3,667,292 | |
| | -73 5 | | | | | 160,102 | 5,690 | 470,472 | |
| • | 30,923 | 2,129,000 | 8,400 | | 34 | 6,874,720 | 165,267 | 6,956,398 | |
| 1,200,000 | 24,000 | , | | | | 1,224,000 | 16,975 | *1,231,185 | "The Mysore Durbarhas deposit ed £23,490 towards the shri |
| 2 399,819 | 81,196 | 6,381 900 | 8 460 | | 34 | 33 729,816 | 1,186,386 | 4) 918 349 | of Joint Shares on the South ern Mahratta Railway book chargeable against the capit |
| | | | | | | | | | of the Mysore Railway |
| | | | 73,280 | | | 73,280 | 1,846 | 69,666 | |
| | | | 130,000 | | 2,667 | 132,667 | 180 | 132,753 | |
| • | | | 194,867 | | - | 194,867 | 510 | 194,710 | |
| | | | 160,030 | | | 160,030 | 2,328 | 159 069 | |
| 290,000 | 15,000 | | 833,334 | 39,703 | 17 | 684,580 872,554 | 282 440 | 735,336 | |
| į | | | 000,001 | 50,203 | , | 312,003 | 320 | 872,2 1 2 | |
| 230 000 | 15 000 | 1 | 1,391,511 | * 39,203 | 2,681 | 2,117 978 | 5,586 | 2,163,806 | |
| 2,639,819 | 133,603 | 7,284 675 | 1,471,643 | 39 203 | 2,718 | 59 274,868 | 1,364,616 | 66,568,463 | , |
| Pengal Nac | pur Railway | · | In | dian Midlan | l Railway — | <u>'</u> | Southern | Mahratta Rai | lway |
| æ | | | | £ | | 30th Jana 100e | £ | | • |
| 400,000 109,300 390,700 418,900 155,000 400,000 265,600 400,000 750 000 785,500 400,000 400,000 400,000 | 3 per ceut 13 | 15th June 1 10th Inly 1 10th Januar 18th Februa 'rd Januar 4th May 190 18th Februa 21st April 1 1st June 19 18th Februa 18th Augus 31st Januar 5th May 10 | 006 Si y 1907 ry 1907 4 7 1908 5 8 2 2 2 1 1909 7 09 7 09 7 09 7 1 1910 3,6 | 32 900 31 90,000 33 10 000 33 21,200 31 10 000 34 557,500 34 42,500 3 42,500 31 | 1) 2) 2) 22 2) 2) | 30th Jnuo 1906 31st Docomber 30th Juno 1907 31st Docomber 3rd October 190 30th Juno 1910 30th Jnuo 1910 30th Jnuo 1911 | 1907 50,000 100,000 255,000 100,000 10,000 1,215,000 | 3 per cout 31 | 1st April 1906 1st October 190 1st April 1908 1st October 190 31st May 1909 11th April 1910 1st October 19 |
| 32,000 115,000 117,000 | areilly Railu | 31 per c 31 ,, | en t | • : | · ; | lst July 1910 lst July 1911 | £ 560 000 49 : 900 300,620 1,955,900 | 3½ per cout 3½ ,, ,, 2½ ,, ,, | 4th July 1909 4th July 1909 13th April 19 |

Capital expenditure in thousands of rupees

| 971.a.a | Dolon (malaina la raha | EXPEND | TURE ON I | NEW LIVI | FS IN 7 | LLY OH | ANDS | OF RU | TPEES T | CCOUNTS | VALUE |
|------------------------------------|---------------------------------------|---------|-----------|----------|---------|---------|-------|-------------------|---------|---------|------------------------|
| Number | Railways (including branches worked) | | | | | YEAT | 18 | | | | |
| | | 1896 | 1897 | 1893 | 1899 | 1900 | 101 | 1902 | 1903 | 1901. | 1905 |
| | Bongal Central | | | | | | | | | | |
| 1 (a) to (c) and | 1 - | 62,32 | 1,71,83 | 1,71,20 | 1,67,01 | 79,14 | 40,25 | 1,42,51 | 1,17,84 | 1,02,23 | C 8, G 3 |
| (g) 2 (a) to (f) & (n) & (0) | Bombay, Baroda and Control | 18,76 | 16,82 | 49,86 | 60,95 | 24,05 | 13,72 | 9,76 | 2143 | 7,56 | 1,02 |
| (n) & (0) 3 | India Eastern Bengal Stato | 4 | 3,00 | 13 89 | 29,15 | 31,10 | 40,07 | 95,82 | 30,58 | 39,18 | 37,15 |
| 4 | East Indian | 1806 | 80,80 | 1,07,94 | 68 09 | 30,09 | 33,15 | 29,67 | 18,50 | 91,17 | 1,26,85 |
| 5 | Great Indian Poninsula | 27,30 | 65,88 | 80,87 | 67,71 | 18,77 | 2,19 | 4,12 | 26,13 | 69,16 | 16,17 |
| 6 (a) to (f) & (g) & (1) | Madras | 24,41 | 10,91 | 7,47 | 11,38 | 20,80 | 51,50 | 39,56 | C0,42 | 37,51 | 47,77 |
| 7 | Nagda Muttra | | | | | | | | | 1,75 | 21,89 |
| 8 | Nizam's Guaranteed State |] | 15,32 | 40,79 | 7837 | 87,06 | | } | | | |
| 9 (a) to (1) | North Western State | 2,13,51 | 1,26,66 | 62,21 | 41,82 | 41,48 | 51,63 | 42,01 | 30 87 | 1,21,56 | 1,92,78 |
| 10 | Ondh and Rohilkhand State | 23,03 | 27,38 | 23,72 | 39,27 | 27,17 | 9,30 | 2061 | 51,52 | 30,78 | 29,13 |
| 11 | Assam Bengal | 1,11,06 | 1,09 69 | 1,35,83 | 1,05 91 | 97,65 | 88,10 | 71,81 | 47,63 | 13,50 | 63 |
| 12 | Bengal and North Wostern | 32,03 | 1,01,74 | 62,86 | 70,00 | 29,89 | 20,86 | 26,15 | 12,63 | 40,76 | 45,07 |
| 13 | Bengal Docars | | 72 | 1,86 | 7,98 | 18,19 | 15,61 | 15,56 | 8,50 | | |
| 14 | Bhavnagar-Gondal Junagad Porbandar | 9,24 | 9,30 | 5 43 | | | | | | | |
| 15 | Burma | 43,40 | 39,67 | 43 29 | €2,52 | 50,63 | 56,42 | 05,77 | . | 3,39 | 42,25 |
| 16 | Deoghnr | | 1 | | | | | , | | 7 | 2-,-0 |
| 37 | Dibru Sadiya | | | | | | | | | | |
| 18 | Jodhpur Bikaner | 23 | 10,01 | 26,10 | 4,86 | 6,61 | 4,00 | C,77 | | 89 | 1 |
| 19 | Morvi | | | · | | 2,32 | 11 | 3 | 85 | +621 | 7,18 |
| (g) to (m) | Rajputana Mulwa | 18,44 | 12,09 | 8,59 | 2,67 | 59 | 21 | 1,07 | 5,63 | 35,80 | 26,36 |
| 20 | Rohilkand and Kumaon | 4 | | | | | 3 | 43 | 83 | 9,71 | 33,18 |
| 21 | South Indian | 53 | 5,19 | -21,05 | 2,70 | 14,00 | 26 50 | 73 3 ⁿ | 56,12 | 27,81 | 7,14 |
| 22 | Sonthern Mahratta | . | | | | | | | 2,55 | 12,60 | 2,78 |
| 23 | Udaipnr Chitor | 18 | 26 | 1,13 | 2,16 | 45 | 21 | | , | 1 | |
| 24 | Baraset Basırhat Light | | | | | | | | | 5 69 | 1,33 |
| 25 | Barsı Light | 1 | | | | | | | | 23 | 7,92 |
| 26 | Bnkhtiarpore-Beliar Light | 1 | | | | | | | 5,30 | | |
| 27 | Cutch . | | | | | | | | 92 | 1,35 | |
| 29 | Dhelpur-Barı | | 1 | | | | | | | | 2,04 |
| 29 | Dwara Therma Light | | Ì | | | | | | 8,21 | 1,39 | 82 |
| 30 | Kalka Sımla | | | | 3,39 | 4,51 | 23,53 | 49,99 | 50,99 | 21,40 | 4,34 |
| 31 | Ranaghat Krishnagar Light | ** | 3,01 | 5,01 | 5 | | | | | ‡ | |
| | | | | | | , | | | | | |
| 32 | Tarakeshwar Magra Light | | | | | | | | 16 | | |
| 33 | Tozporo Balipara Light | | İ | | | | | | | | |
| 35 | Darjeeling-Himalayan | | | | | | | | , | • | |
| 36 | Howrah Amta Light | 3,62 | 4,01 | 29 | 5 | 1 | 8 | | 20 | 2,79 | |
| 37 | Howrah Sheakhala Light Jorhat | 1,31 | 2,81 | 33 | | | | | | , | |
| 38 | POLITY . | c | | | | | | | | | |
| | TOTAL | 6,07,51 | 8,30 33 | 8 27,93 | 0 00 04 | 5 42,51 | l | 6 11,46 | 1 | 6,89,57 | 7,22,43 |

DIX 7.

during each of the past 10 years

| | | | | YEAR | ls | | | | | REMARKS |
|-------|-------|-------|---------|-------|-------|-------|-------|----------------|-------|--|
| 1896 | 1877 | 1899 | 1809 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | |
| | 11 59 | 4 37 | 1,95 | 27 | 3 | 4 | 15 | | | * Purchased l |
| 2,26 | 32 | 1,13 | 33,92 | 27,35 | 4,29 | 57,16 | 84,13 | 40,61 | 57,18 | Purchased I the State fro the 1st Jul 1905 and inco perated with |
| 2,08 | 21 | 6,00 | 13,84 | 13,34 | 4 24 | 2,51 | 7,97 | 3,26 | 1,48 | the 5' gauge section of the Easter |
| 7,50 | 16 63 | 10,52 | 18,21 | 4 57 | 13,01 | 18,12 | 35 25 | 15,20 | 25,14 | Bengal Stat Railway [3(a) |
| 12,02 | 27,27 | 36,32 | 1,06,52 | 64,31 | 73,57 | 54 29 | 17,91 | 20,98 | 30,13 | |
| 2,40 | 7,85 | 1,63 | 8,27 | 13,36 | 21,27 | 12,27 | 31 84 | 37,89 | 12,63 | |
| 1,65 | 6,57 | 1,17 | 3,60 | 3,26 | 10,11 | 25,43 | 16 44 | 6,24 | 7,49 | |
| | | | | | Ì | | } | | | |
| 2,22 | 49 | 3,06 | 12,80 | 12,67 | 1,51 | 5,86 | 3,05 | 72 | 51 | Ì |
| 10,63 | 36,32 | 21,85 | 5,70 | 79 | 12,30 | 22,21 | 14,34 | 13,91 | 88,56 | } |
| 59 | 3,51 | 7,06 | 5,68 | 79 | 5,85 | 17,93 | 23 91 | 7,58 | 6,92 | |
| 16,29 | 4 25 | 2,65 | 1,63 | 87 | 3,05 | 7,69 | 9,86 | 6,82 | 4,79 | ł |
| 2,25 | 9,98 | 24,03 | 15,81 | 18,58 | 18 47 | 12 49 | 18,33 | 3,48 | 14,09 | |
| 1 | 52 | 1 | 4,09 | 2,32 | 1,40 | 7 | 25 | 5 | | |
| 1,80 | 87 | 1,24 | 8 | 16 | 80 | 35 | 55 | 1,05 | , | |
| 8,80 | 1,59 | 6,36 | 11 96 | 4,74 | 20,85 | 26,60 | 19,57 | 12,20 | 6 61 | |
| | | 1 | | | | PH. | | ļ | | |
| 78 | 14 | 20 | 16 | 2,52 | 1,13 |] | 9 | 4,47 | 19 | |
| 39 | | 6,03 | 11,14 | 22 | 2,22 | 1,90 | 4,22 | 1,36 | 71 | |
| 21 | 2 | 12 | 4 | 6 | 10 | -12 | -22 | İ | | †Represents E penditure |
| 2,15 | -12 | -1,59 | 3 07 | 1,83 | 89 | 8,70 | 8,19 | 3,35 | 10,09 | conv rsion |
| 18 | 2 | 2,42 | 1,02 | 3,39 | 2,06 | 6 86 | 6,11 | 1,33 | 77 | the existing liftion 2' 6" 3 3% gauge |
| 29 | 1,22 | 43 | 73 | 26 | -3 | 1,46 | 2,96 | 1,27 | 14,75 | |
| 45 | 1,40 | 5 34 | 3,42 | 1,44 | 1,88 | 26 | 85 | 8 ₀ | 18,58 | |
| | 2,25 | 5 | | | 42 | ĺ | | _ | • | |
| | 1 | 1 | } | | | 1 | | 2,00 | ** | |
| 2,49 | 1,77 | 27 | | | 39 | ļ | 0.17 | 00 | 76 | ĺ |
| • | | | | | ļ | | 2 17 | 23 12 | 10 | |
| | | | | J | , | • | | | 40 | |
| 1 | 1 | *** | | | | 1 | | | 50 | |
| | | | | | 1 | 1,07 | 3,93 | 2,85 | 4,96 | |
| | | | | | | | | 1 | • | |
| | | 1,20 | | 24 | | | | ‡ | | i Purchased b |
| 1 | 1 | 1,20 | - | | | | | 1 | | † Purchased to the State from the 1st Jul 1004 and inco por ited with Easter Bengal States |
| | | 1 | } | Ì | | Ì | | İ | | por ted wit |
| | | 1 | 18 | | | • | 1 | 1 | 8 | Bengal Sta Bailway |
| 18 | | 6 | 12 | | | | | | | |
| 24 | 2 | -25 | 54 | -16 | 1 | 9 | , 41 | 70 | 12 | |
| 1,03 | 1,26 | 99 | 11 | 46 | | 72 | 1 | 30 | | |
| | 1,17 | 18 | • | | | " | 3 | | | |
| _7 | 38 | 20 | | | 31 | 4 | ا 12 | 2 | | |
| - 1 | | | | | | | | | | |

APPEN

Gapital expenditure in thousands of rupees

| | | | | | | | | | | tilus of | |
|-----------------------------|---|--------------------|---------------------|-----------------------|---------|------------------|---------|-------------------|--------------------|--|-------------|
| | | EXPENDITU ING V | REOVIMP LUC OF S | ROVEMEN IORES, ETC | TOPEY | ISTING FINALL | LINES: | IN THOU RGLD O | USANDS 1 F IV 1 | OF RUPEES HE ACCOUN | EVCLUD |
| Number | Railways (including branches worked) | | | | | YEARS | 3 | | · | ······································ | |
| | , | 1696 | 1897 | 1808 | 1899 | 1000 | 1901 | 1902 | 1903 | 1901 | 1905 |
| | Bongal Central | 69 | 86 | 2,15 | 75 | 1,66 | 1,18 | 1,15 | 73 | 43 | |
| 1 (a) to (e) & (g) | Bengal Nagpur | 10,08 | 3,56 | 57 | 25 | 1,68 | 3,37 | 1,61 | 3,08 | 5,66 | 5,20 |
| 2 (a) to (f) & (n) & (o) | Bombay, Baroda and Central India | 23,86 | 28,88 | 15 33 | S6,60 | 8,12 | 21,71 | 9,89 | 5,71 | 4,63 | 2,74 |
| 3 | Eastern Bongal Stato | 18,06 | 27,03 | 7,61 | 8,72 | 13,85 | 11,37 | 15,46 | 23,86 | 49,13 | 1,08,7 |
| 4 | East Indian | 15,75 | 19,83 | 28,99 | 40,78 | 48 92 | 61,24 | 58,63 | 41,88 | 46,44 | 63,52 |
| 5 | Great Indian Peninsula | 6,00 | 4 37 | 8 04 | 6,7 , | 10,28 | 11,65 | 17,01 | 23,56 | 6,479 | 73 48 |
| 6 (a) to (f) & (g) & (1) | Madras | 4,07 | 5, 30 | 3,16 | 2,43 | 3,93 | 9,33 | 1,56 | 5,01 | 11,26 | 13,47 |
| 7 | Nagda Muttrı | | | | | | { | ĺ | | ĺ | *** |
| 8 | Nizam s Guaranteed State | 83 | 3,15 | 1,24 | -1 05 | 2,78 | 6,53 | 8,14 | 3,76 | 2,97 | 2,76 |
| 9 (a) to (3) | North Western State | 30,47 | 28,30 | 18 92 | 20, 8 | 19,10 | 11,67 | 48 11 | 22,42 | 10,03 | 33,14 |
| 10 | Oadh and Rolnlkhand State | 2,61 | 4,01 | 4 38 | 9,73 | 8,30 | 9,45 | 12 75 | 12,10 | 19,80 | 19,62 |
| 11 | Assam Rengal | | | | | | į | | | | 12,03 |
| 12 | Bengal and North Western | 49 | 2 86 | 5,05 | 6,63 | 12 21 | 7,19 | 25,66 | 21,79 | 29,01 | 16,81 |
| 13 | Bengal Decars | 48 | 1,08 | 53 | 38 | 16 | 2 | 5 | 21 | 5 55 | 3,51 |
| 14 | Bhavnagar Gondal Janagad Porhandar | 1 03 | 73 | 2,10 | 01 | 31 | 16 | 40 | 3 | 3 | 21 |
| 15 | Burma | 17,27 | 6,21 | 5,09 | 11 31 | 25,11 | 22,05 | 7,91 | 20,75 | 21,11 | 17,60 |
| 16 | Deeghur | | · | 1 | 1 | | | | | | 20 |
| 17 | Dibra Sadiya | -25 | 2,41 | 7 | | 6 | 7,20 | 23 | E2 | 22 | 27 |
| 18 | Jodhpur Bikaner | 13 | 7 | 6,3ა | -81 | -1,58 | 3,16 | 3,57 | 62 | 56 | 12 |
| 19 | Morvi | 10 | 43 | 7 | 5 | -16 | 1 | | | 1 | -13 |
| 2 (g) to (m) | Rajputana Malwa | 5,14 | 2,65 | 8 32 | 3,08 | 3,53 | 8,20 | 13,68 | 9 18 | 8,62 | 13,99 |
| 20 | Rohilkund and Kumaon | 2,56 | 1,71 | 79 | 21 | 1,15 | 1,02 | 66 | 1,59 | 1,56 | 65 |
| 21 | Sonth Indian | 1,01 | 56 | 1,52 | 8,59 | 3,03 | 3 83 | 1,16 | 3 10 | 6,61 | 8,11 |
| 22 | Southern Mahratta | 4,01 | 5,60 | 6,29 | 7,50 | 5,79 | 1,59 | 8,29 | 2,08 | 2,26 | 5 49 |
| 23 | Udaipur Chitor | | 1 | | , | | 19 | 4 | 1 | _, | 1 |
| 24 | Baraset Basırha+ Light | 1 | | | | | | | | | |
| 25 | Barsı Light | | | | } | | | 7 | | | -4 |
| 26 | Bukhtı.ırpero Behar Lı, ht | | | | | | | | | 39 | 1 |
| 27 | Cutch | | | | | | | | | . 1 | |
| 28 | Dholpur Barı | | | | | | | | | | |
| 29 | Dwara Therma Light | | | | | | | | | | |
| 30 | Kalka Simla | | | | | | | | | | |
| 31 | Ranaghat Krıshnagar Light | | | ; | | : | | | | | |
| 32 | Tarakeshwar Magra Light | | | 1 | 1 | | 2 | 5 | 6 | 3 | 5 |
| 33 | Tezpere Balıpara Light | 9 | 3 | 1 | 5 | 13 | | | | | |
| 85 | Darjeeling Himalayan | 42 | 38 | 49 | 25 | 10 | 21 | 12 | 31 | 4 | 16 |
| 36 | Howrah Amta Light | | 1 | | } | | | | | 14 | 16 |
| 37 | Howrah Sheal hala Light | | | | | İ | | | 3 | | 1 |
| 38 | Jorhat | 10 | | | 4 | | 17 | 8 | | | |
| | | c | | | | | | | | | |
| ` | Total | 1,45,41 | 1,48,49 | 1,22 09 | 1,59,64 | 1,68,79 | 2,11,55 | 2,35,85 | 2,01,98 | 3,15,13 | 4,02,5 |

DIX 7—concluded

during each of the past 10 years.

| | | | | Z | YEAR | | | | | Remarks |
|---------|---------|---------|---------|------------|---------|---------------|---------|----------|------------|---------|
| 1896 | 1897 | 1893 | 1899 | 1900 | 1901 | 1902 | 1903 | 190f | 1905 | |
| 4,59 | 10,29 | 6 90 | 3,01 | 84 | 2,53 | 1,58 | 76 | -36 | | |
| 1,16,51 | 1,99,28 | 1,62,45 | 1,98,57 | 75,81 | 77,61 | 1,76,45 | 1,91,63 | 1,19,88 | 1,19,67 | |
| 54 14 | r8,06 | £9 09 | 98,92 | 28,58 | 56,65 | 29,50 | 19 61 | 9,62 | 7,90 | |
| 27,01 | 51,23 | 85,51 | 56,49 | 49,25 | 66,77 | 81,52 | 1,19,34 | 1,09,61 | 2,08,13 | |
| 70,12 | 1,17,83 | 1,66,97 | 2,18 13 | 1,62,49 | 1,11 12 | 1,45,82 | 1,39,63 | 1,45,03 | 2,33 23 | |
| 51,02 | 71,51 | 79,51 | 78 78 | 53,32 | 44,51 | 23,58 | 1 16,21 | 1 76,71 | 1,02,30 | |
| 27,45 | 19,63 | 12,65 | 19,27 | 55,11 | 63 58 | 60,36 | 86,09 | 72,11 | 69,17 | |
| Í | | | | | | | ľ | 1,73 | 46,31 | |
| 1,85 | 18,30 | 60,33 | 96,90 | 32,91 | 18,10 | 15,81 | 5,73 | 5,26 | 6,53 | |
| 2,6714 | 1,66,19 | 82,17 | 66,46 | 83,47 | 93,87 | 1,30,10 | 69,58 | 2,09,09 | 2,72,27 | |
| 20,23 | 11,00 | 33,16 | 55,69 | 31,26 | 92,76 | 76,17 | 87,45 | 53,06 | 41,37 | |
| 1,17 01 | 1,1,,22 | 1,18,74 | 1,13,15 | 86,16 | 85,17 | 6 9,86 | 53,24 | 10,81 | 18,24 | |
| 85,16 | 1 69,10 | 79,06 | 70,13 | 55,91 | 49,78 | 63 17 | 53,92 | 79,28 | 90 01 | |
| 1,07 | 2,17 | 4,25 | 22 26 | 10,77 | 15,23 | 10,45 | 7,09 | 5,35 | 3,56 | |
| 14,18 | 8,67 | 8,95 | 92 | 17 | 96 | 44 | 67 | -1,40 | -34 | |
| 82,45 | 59,57 | 51,62 | 86,24 | 92,79 | 95,26 | 71,01 | 81,03 | 36,97 | 81,20 | |
| | | 1 | -1 | | | -9 | | | 23 | ı |
| 53 | 2 س | 27 | 17 | 2,57 | 8,32 | 1,73 | 41 | 4,69 | 46 | · |
| 48 | 10,12 | 39 36 | 18,01 | 4 69 | 19,78 | 6 64 | -57 | 2,21 | 1,60 | |
| -17 | 91 | 3 { | 27 | 2,02 | 31 | -2G | 56 | 6,18 | 9,85 | |
| 11,16 | -2,83 | 1,43 | 10 59 | 17,19 | 12,71 | 22,33 | 30,13 | 43,71 | 39,23 | |
| 2,61 | 3,79 | 2,10 | 13 | 5,37 | 4,31 | 12,92 | 4,60 | 19,79 | 10,01 | |
| -14 | 4 09 | -19,98 | 7 39 | 17,47 | 47,19 | 99,17 | 52,83 | 31,08 | 23,65 | |
| 59 | 8,10 | 11,05 | 8,71 | 8,15 | 4,63 | 1,22 | 21,96 | 34,22 | 83,49 | |
| 18 | , 2,51 | 1,18 | 2,16 | 15 | 82 | 4 | 1 | | 1 | |
| 0.40 | | 27 | - | | -39 | 19 | | 7,73 | 1,33 | |
| 2,49 | 1,77 | | ļ | 1 | -33 | 10 | 7,48 | 26 62 | 14,69 | |
| } | | ,) | | 1 | | | 1,01 | 1,48 | 1 | |
| | | - | ł | } | | | 2,02 | 0.00 | 10 2,04 | |
| | | - 1 | 1 | 1 | 1 | 1 | 8,24 | 1,89 | 16 | |
| 1 | | 1 | 5,81 | 6,10 | 22,96 | 57,95 | 48,51 | 26,93 | 7,87 | |
| | 1,01 | 6,21 | 5 | 21 | | 74 | | 10 | - 1 | |
| 1 | | 2 | 21 | -1 | 10 | 20 | 88 | 10 | 2 | |
| 27 | 3 | 7 | 17 | 13 | } | | | | 1 | |
| Go | 41 | 21 | 79 | - <i>a</i> | 23 | 20 | 72 | 71 | 14 | |
| 4,70 | 5,27 | 1,28 | 9 16 | 47 | , 8 | 72 | 20 | 3,23 | 16 | |
| 1,31 | 3,98 | 81 | l | l | , | | 5 | | -1 | |
| 37 | 37 | 7 | 22 | -23 | -8 | 5 | 8 | | 4 | |

8

| | | Miloago | |
|--|------------------|------------------------|----------------------|
| | Opt n | Under con struction | TOTAL |
| PART I | | | |
| Capital expenditure of railways, thi transactions of which pass through the Government Accounts | Miles | Miles | Miles |
| (i) —State lines worked by Companies | 11777 00 | 1,189 50 | 15,966 50 |
| (51) -State lines worled by the State | 5,916 89 | 385 11 | 6,302 00 |
| (111) - Companies' lines guaranteed under the old contracts | 1,408 36 | | 1,108 36 |
| (n) - Companies lines guaranteed under modern contracts | 3201 | | 32 01 |
| (v) —District Boards' lines | 99 46 | | 99 16 |
| (vi) -Branch Line Companies, receiving relates from traffic interchanged with main | 373 13 | | 373 13 |
| lines To~al open lines and lines partly open | 22 606 88 | 1 571 61 | 21,181 49 |
| (vii) -Lines wholly under construction by State agency | | 198 S3 | 498 83 |
| (viii) - Lines wholly under construction by Companies | | 231 84 | 331 84 |
| TOTAL (tii) AND (tiii) | | 830 67 | 830 67 |
| (ix) Unclassified expenditure including collieries, &c | | | 0,007 |
| TOTAL PART I | 22,606 85 | 2 100 28 | 20,01216 |
| PART II CAPITAL EXPENDITURE ON HAILWAYS, THE TRANSACTIONS OF WHICH DO NOT PASS THROUGH THE GOVERNMENT ACCOUNTS | | | 20,012 10 |
| (i) -Branch Line Companies, receiving rebates from traffic interchanged with manillines | 537 28 | 77 45 | 61473 |
| (11) -Assisted Companies' lines- | | | |
| (a) Subsidized by the Government of India | 162 36 | | 100 0 |
| (b) Subsidized by Local Governments | 136 26 | 8 50 | 162 36 |
| (c) Subsidized by District Boulds | 128 (0 | | 114 76 |
| (d) Receiving land only from Government | 1,171 77 | 168 80 | 158 00 |
| Total (:;) | 1,628 39 | 177 30 | 1,310.57 |
| (111) -Urassisted Companies' lines | 11 77 | | J,°05 69 |
| (iv) -Nativo Stato lines- | | | 11 77 |
| (a) Worked by Nativo States | 1,333 49 | 28 13 | 1 001 00 |
| (b) Worked by Companies | 1,838 76 | 146 83 | 1,361 62 1,985 59 |
| (c) Worked by State railway agency | 235 29 | | 235 29 |
| Total (10) | 3,107 51 | 17196 | 3,582 50 |
| (v) —Foreign State lines | 73 60 | - | 73 60 |
| Total open lings and lines partly open | 5,688 58 | 429 71 | 6,118 29 |
| (e1) -Lines wholly under constinction by private Companies | •• | 36 29 | 36 29 |
| (vii) - Lines wholly under construction by Native States . | | 19 25 | 19 25 |
| Total (vi) and (vii) | | 55 51 | 55 54 |
| viii) -State ontlay on the Patri bianch (Bombay, Baroda and Central India railway) | | | 00.04 |
| Total Part II | 5 G 98 o8 | 485 25 | 6,173 83 |
| GRAND TOTAL | 28,295 16 | 2,890 53 | 31,185 99 |
| ABSTRACT | | -,55500 | 91,129 AA |
| Outlay on open lines and lines partly open—(* to vi, Part I, and * to v, Part II) Outlay on lines wholly under construction—(**:: and **::, Part I, and **: and **::, Part II) | 28,295 16 | 2,004 32 886 21 | 30,299 78 |

DIX 8
railways at the close of the year 1905

| (In | Capital outlay at close of 1905 (In thousands of rupees) Lines under construction Total | Remarks • | |
|------------|---|------------------------|--|
| Open lines | | TOTAL | |
| 2,01,99,26 | 4,81,44 | 2,05,80,70 | The outlay included in Part I under "State lines worked by Companies" account of the rulways purchised by the State from the East Indian, the Soul Indian, and the Great Indian Pennisula Railway Companies, and under "State lines worked by the State" on account of the railways purchised from the Eastern Bengal, the Sind, Punjab and Delhi and the Oudh and Rohill hand Gna |
| 89,60,53 | 2,56,93 | 92,17,46 | antoed Railway Companies represents the actual Capital expenditure incurred by the Companies up to the date of purchase and subsequently by the State |
| 26,37,50 | | 26,37,50 | |
| 29,21 | | 29,21 | |
| 47,33 | *** | 47,33 | |
| 3 01,84 | Ì | 3,01,81 | |
| 3,21,78 67 | 7,38,37 | 3,29,17 01 | |
| | 76,88 | 76,88 | - |
| | 1,71,90 | 1,7190 | |
| | 2,51,78 | 2,51,78 | |
| | | 95 17 | |
| 3,21,78,67 | 9,90,15 | 3,32,63,99 | |
| 2 88,22 | 83,97 | 9,21,59 | |
| 1,56,07 | | 1,56,07 | |
| 1,21,81 | | 1,21,83 | |
| 71,53 | •• | 71,53 | |
| 9,16,61 | 53 20 | 0,99,90 | |
| 12,09 01 | 59,29 | 13,52,33 | |
| 27 25 | | 27,25 | |
| 4,68,21 | 1 | 4,68,22 | |
| 12,95,14 | 20,63 | 13,15,77 | |
| 1,32,87 | | 1,32,87 | |
| 18 96 22 | 20,61 | 19,16,86 | |
| 1,50,79 | | 1,50,79 | |
| 36 61,52 | 1,07,30 | 37,68,82 | |
| *** | 13,10 | 13,40 | |
| | 2,01 | 2,01 | |
| | 15,11 | 15,41 | |
| 36,61,52 | 1,22,74 | 8,03 37,92,34 | |
| 3,58,40,19 | 11,12,89 | 3,70,56,33 | |
| | 11,12,00 | | |
| 3,58,40,19 | 8,45,67 2,67,22 | *3,66,93,94 2,67,22 | Includes Rs 8,08,000, item (vin) of Bart II |
|] | . | 95,17 | |

APPEN

Capital liability on account of Railways classed

| • | SHARE | CAPITAL O | OF PURCEA OFF BY A | l) ised Raili anuities | VAYS BEIN | G PAID | (2) | (3) | (4) | (5) | (6) |
|---|--|--|---|--|---|---------------------|-----------------------|---|---|---|-----------------------------|
| | | Deda Commuted Capital re- | | | , | | | Debt in | Capital | Capital raised by | , |
| Railways | Commuted valao of stock purchased | presenting Annuities which were purchas ed by creation of dobt | of Great Indian Peninsula Railway Compauy | Net eapital to be paid off by | Deduct amount redeemed by Annuity paymonts | Net ont standing | State outlay | ourred for purchase of Rail ways | advanced by Gov ernmont to Com panies | Companies on Secre tary of State s Guaranteo (including over drafts) | Total Capi tal liahility |
| India, General | £ | £ | £ | £ | £ | £ | £ | £ | £ | £ | £ |
| 1 East Indian | 32,750,000 | 7,299,157 | | 25,450,843 | 2,365,126 | 23,085,717 | 7,093,949 | 7,719,552 | | 8,000,300 | 45,899,518 |
| 2 Rajpntana Malwa (incldg Godhra Rutlam Nagda) 3 Rewari Phnlera | | | | | | | 10,559,462 317,173 | | | | 10,539,462 317,178 |
| 4 Palanpur-Decsa |] | | | | | [| 15,800 | | | | 15,805 |
| 5 Bhopal | | | | | | 1 | 211,796 | | | } | 211,796 |
| 6 State railway stores | ł | <u> </u> | | | | | 2,074 | | | l | 2,074 |
| 7 Exponditure in England fer stores purchased and remain ing unappropriated | | | | | | | 88,172 | | | | 88,172 |
| CENTRAL PROVINCES | [| | | [| | ĺ | | | [| | |
| 8 Warora Colliery | 1 | | | | | Ì | 83,327 | | • | | £8,327 |
| 9 Umaria ,, (depreciation on works) | } | | | | | 1 | 12,178 | | j | | 12,178 |
| 10 Bilaspur-Etawah | 1 | | | } | | | 5,009 | 1 | | | 5,003 |
| 11 Nagpur Chhattisgarh (depreciation account) Burma | } | | | | | | 43,802 | | | | 43,802 |
| 40 M 37 1 | | l | ŀ | | | | 341,467 | j | | | 0/1 /6% |
| 12 Pegn Menimein . 13 Henzada Kyangin | | } | } | | | | 102,432 | 1 | | | 341,467 |
| Assam | '' | | | | | | 102,102 | | | | 102,433 |
| 14 Jerhat Bengal | | | | | | | 60,563 | | | | 60,563 |
| 15 Eastern Bengal system | 3,391,917 | 543,817 | | 2,848,100 | 233,468 | 2,614,632 | 9,524,332 | 869,010 | | | 13,008,054 |
| 16 Murshidahad Branch | | İ | | | | | 561,845 | | | 1 | 561,845 |
| 17 Dhnbri Ganhati | | | | | | | 302,708 | 3 | | | 302,708 |
| 18 Tirhoot | | | | | | | 3,591,888 | |] | | 3,504,888 |
| 19 Tirhoot new Extensions | | | | ļ | | | 547,576 | 1 | | | 547,576 |
| 20 Ranaghat Bhagwangola | | | | } | | | 20,163 | | | | 20 163 |
| 21 Katihar-Godagarı , UNITED PROVINCES | | | | | | | 170,670 | | | | 170,670 |
| 22 Ondh and Rohilkhand | | | | | | Í | 3,939,193 | 10,731,640 | | 1 | 14,670,833 |
| 23 Agra Delhi Chord | 1 | | | ĺ | | | 816,462 | | | | 816,462 |
| 24 Allahabad Jaunpur Punjab | | | | | | | 138,675 | | ٠ | | 138,675 |
| 25 North Western | 11,009,124 | 4,911,216 | | 9 097,909 | 692,457 | 8,405,451 | 29,317,241 | 4,190,926 | | | 41,913,618 |
| 26 Shadera Sangla | | | | | | | 77,195 | | | | 77,195 |
| 27 Jech Doab (sonthern see) | 1 | | | | | | 432,330 | | | | 432,330 |
| 28 Quetta Nushki | | | | ļ | | | 559,533 | | | | 559,533 |
| 29 Peshawar Railway Reserve | | | |] | | | 19,243 | 1 | |) | 19,243 |
| 30 Frontier Railway Reservo | | | | | | | 293,212 | ! | | | 293,212 |
| 31 Potroleum Operatious Balu chistan | | | | | | [| 7,946 | 1 | } | | 7,946 |
| 32 Jallaudar-Hoshiarpur | | د | | | | | 960 | | | | 969 |
| 33 Ludhiana Ferozeporo 34 Loi Shilman | | | | | | | 1,987 | 1 | | | 1,887 |
| Carried over | 50,151,011 | 19 754 100 | | 37,095,851 | 3 901 051 | 34,105,800 | 3,545 | I | | 2000 5 | 3,515 |
| Carried over | 01,101,011 | 17 193 190 | | 01,000,001 | 0,201,051 | 193,103,800 | 69,251,872 | 23,511 159 | | 8,000,300 | 134,869,130 |

DIX 9
as State railways at end of 1905

| _ | | SHARE | : Capital | or Puncu | 1) ABED RAII | WAYS BEI | ng paid | (2) | (8) | (4) | (5) | (6) |
|----|--|--|---|----------------|-----------------|--|---------------------|-----------------|--|-----------------|---|-----------------------------|
| | Railways | Commuted value of stool pnrohased | Commuted capital repre senting annuities which wero | luct New stook | Not | Deduct amount redoomed by annuty pay monts | Net ont standing | Stato ontlay | Debt in enriod for purchase of Rail ways | by Gov | Capital raised by Companies on Secretary of State s guarantee (including over drafts) | Total capi tal liability |
| | | £ | £ | £ | £ | £ | £ | £ | £ | æ | £ | £ |
| | Brought forward | 50,151,041 | 12,754,190 | | 87,396,851 | 3,291,051 | 34,105,800 | 69,251,872 | 23,511,158 | | 8,000,300 | 134,869,130 |
| 85 | MADRAS Sonth Indian (including Pambau Branch) | | | | | | | 1,955,959 | 4 726,168 | | 1,425,000 | 8,107,127 |
| 30 | Tinnovelly Quilon (British | | } | | | | | 24 813 | | | 263,654 | 288,467 |
| 37 | Tinnevelly Quilon (Nativo State section) | | | | | | | 72,521 | | | 711,346 | 783,870 |
| 38 | Azhikal Mangaloro | | | | l | | | 652,067 | | | | 652,067 |
| | North I ast line, Madris rail was "East Coast Rulliar. | | | | | | | 4,83.,576 | | | | 4,335,576 |
| 40 | South in section) | | | | | | | 245,976 | | | | 215,976 |
| 41 | Bezwada extension | | | | | | | 78,576 | | | | 78,570 |
| 42 | Guntakal Useore frontier | | | | | | | 394,799 | : | | | 394,799 |
| 43 | Tanjore District Beard | | | | | | | 194,139 | | 79,821 | 41,047 | 314,507 |
| 41 | Vizagapatam Raipur | | | | | | ı | 16,336 | | | | 16 936 |
| 45 | Hospet kottur | | | | | | | 92 109 | | | | 92 109 |
| 46 | Bellary Rayadrng | | | | | | | 51 345 | | | | 51 345 |
| 47 | • | | | | | | | 70,913 | | | | 70,918 |
| 43 | Morappur Dharmapuri | | | | | | | 50,816 | ** | į | | 50,816 |
| 49 | | | | | | | | 46,459 | | | | 46,459 |
| 50 | Rameswaram Extension | • | | | | | | 21,413 | | , | | 24,413 |
| 51 | POMBAT Great Indian Peninsula | 31,850,216 | | 1,750 000 | 33,100,218 | 1,919,891 | 31,189,327 | 2,743,258 | 5,961,666 | 850,000 | 2,575,000 | 43,322,251 |
| 52 | Jodhpur Hyderabad (British scotion) | | • | | | *** | | 261,530 | | | | 264,530 |
| 53 | Southern Mahratta (depress ation on worls) | | | | | 9 | | 35,138 | | | | 35,138 |
| | Sabarmatı Dholka | | | | | •) | | 3,993 | • | | 4 1 1 | 3,903 |
| 55 | Nagda Muttra | | | | | | | 320 463 | | | | 320,463 |
| | | 85,010,159 | 12 751 190 | 1 750 000 | 70,5°C,069 | 5 210,949 | 65,295,127 | 80,926,104 | 34,201 992 | 929,321 | 13,016,347 | 193,468,891 |
| 56 | LEASED LINES Assam Bengal | | | | | | | 5,028 495 | | | 2,855,900 | 7,881,305 |
| 57 | Bengal Nagpur | | | | | | | 2,061,962 | | 8,530,580 | 8,505,000 | 19,097,542 |
| 59 | Burma | | | | | | İ | 5,127,488 | | | 3,717,474 | 8,844,962 |
| 59 | Indian Midland | | | ļ | | | | | | 1,938,378 | 6,00,11,516 | 7,919,894 |
| C0 | Lucknow Barcilly | | | • | | | | 841,409 | | 3 09,635 | 147,000 | 798 014 |
| 61 | Mysoro . | | | | | | | | | | 1,200,000 | 1 200 oro |
| 62 | Southern Mahratta | | | | | | | 1,105,228 | | 2,129,900 | 4,822,381 | 8,057,509 |
| | BPA (CH LINES | | | | | | | 13 661,582 | | 12,953,493 | 27,219 271 | 53 872 946 |
| 63 | Hardwar Dehra | | | | | | | | | | 19‡ 710 | 191 710 |
| | | | | | | | | | | | 191,710 | 191,710 |
| | TOTAL | 85 010 259 | 12,754,190 | 1,750,000 | 70,506 069 | 5,210,942 | 65,290,127 | 94,590,686 | 31 201, 192 | 13,837,814 | 40,460,328 | 243 435,917 |

Note -The premia paid in purebase of companies lines are as under -

Fast Indian Railway
Eastern Bengal Railway
Sindh Punjab and Delhi railway
South Indian Railway
Ondh and Rohill hand Railway
Great Indian Peninsula Railway

APPEN

Main results of working Indian railways

| | | | | | | | | | Marn 1 | results | of wo | rhing In | ndian r | arlıcay |
|-------------|------------------|--------------------------|-------------------|---------------------|-----------------|---|--|--|---------------------------------------|---|--|-------------------------|--|--|
| | | 1n | THOUSAN | DS OF RUP | EES. | | | Percent | P | Assengers | | | Goods | |
| Year | Villeags open | Capital entlay | Gross earnings | Working orpenses | Net earnings | Gross earnings por milo per week | Percent nic of wirking expenses to fross earnings | nge of n.t errn ings on Capital outley on linos wholly and partly open | Number carried in thou sands | Earnings in thou sands of rupses | Average rato charged per mile in pies | carried in thousands | Earnings in thou-ands of rupees | Average rate charged per ton per mile in pies |
| 1853 | 20 | 37,96 | 90 | 41 | 49 | Rs 87 | 45 56 | 1 29 | | | | | | 19 |
| 854 | 71 | 4,00,00 | 2,31 | 1,42 | 89 | 63 | 61 47 | 0 22 | | | | | | *** |
| 855 | 169 | 5,50,00 | 8,13 | 4,55 | 3,58 | 93 | 55 97 | 0 65 | | | | | | |
| 856 | 272 | 8 00,00 | 16,10 | 6,74 | 9,36 | 114 | 41 87 | 117 | | | | | | [|
| 857 | 287 | 12,00,00 | 25,43 | 10,54 | 14,89 | 170 | 41 45 | 121 | | | | | | |
| 858 | 427 | 16,00,00 | 33,82 | 15,63 | 18,19 | 152 | 46 22 | 1 14 | | | ' | | | } |
| | | | | | | | | | | | | | | |
| 859 | 625 | 22,50 00 | 57,24 | 27,74 | 29,50 | 176 | 48 16 | 131 | | | | | | |
| E60 | 833 | 26,66,(0 | 66,67 | 37,09 | 29,9 | 153 | 55 61 | 1 11 | | | } | | | |
| 861 | 1,587 | 34,00,00 | 93 63 | 58 09 | 40,51 | 120 | 5590 | 1 19 | | 1 | | | | |
| E 62 | 2,383 | 48,00,00 | 1,31,45 | 80,32 | 54,13 | 111 | 59 74 | 1 13 | | | | | | |
| 863 | 2,507 | 53,00,00 | 2,20,47 | 1,33,04 | 87,13 | 169 | 60 31 | 1 65 | | | | | | |
| | | | | | | | | | | | | | | |
| 864 | 2,958 | 58,00,00 | 2,85,89 | 1,70,95 | 1,15,04 | 186 | 59 76 | 1 93 | | | | | | - |
| 865 | 3,363 | 63,00,00 | 4,27,81 | 2,21,27 | 2,01,57 | 241 | 52 43 | 3 20 | , | | | | | •• |
| .866 | 3,563 | 70 00,00 | 4,91,91 | 2 59,38 | 2,32,53 | 266 | 5273 | 3 32 | <u> </u> | | | | | |
| 867 | 3,929 | 80,00,00 | 5,41,54 | 2,93,76 | 2,50,78 | 266 | 58 95 | 313 | | | | | | |
| 868 | 4,008 | 84,00,00 | 5,67,09 | 3,07,46 | 2,59,63 | 272 | 54 22 | 8 09 | | | | | | |
| .869 | 4 255 | 89 00,00 | 6,13,10 | 3,41,74 | 2,71,36 | 277 | 55 74 | 3 05 | | | | | | |
| 870 | 4,771 | 90,00,50 | 6,66,67 | 9,63,15 | 3,03,52 | 269 | 54 47 | 3 37 | | | | | | |
| 871 | 5 074 | 90,00,70 | 6,59,20 | ٦,67,97 | 2,91,23 | 250 | 55 82 | 3 21 | | | | | •• | |
| 872 | 5,369 | 90,00,00 | 6,829 6 | 3,73,45 | 3,09,51 | 245 | 54.68 | 344 | | | | | | |
| 873 | 5,697 | 91,72,60 | 7,22,90 | 3,77,85 | 3,45,05 | 244 | 52:28 | 876 | | | | | - | |
| OH ! | | AP OF T | | | | | | | | | | | | |
| 871 | C,226 | 95,87,15 | 8,33,77 | 4,03,89 | 4,29,88 | 258 | 4844 | 448 | | | | " | | |
| 875 976 | 6,541 | 1,00,96,28 | 7,91,37 | 3,97,18 | 8,93,89 | 233 | 50-23 | 3 90 | 1 | • | | | | |
| 876 877 | | 1,04,77,85 | 9,33,83 | 4,46,45 | 4,87,38 | 262 | 47 81 | 4 65 | } | Ψ. | | | | |
| .678 | ļ · | 1,09,04,24 1,18,29,55 | 12,11,28 | 5,38,68 C | 6,72,60 | 318 | 41 47 | 617 | ł | | | | | |
| V10 | 0,2(1 | 1,10,29,00 | 11,25,30 | 5,62,88 | 5,62,92 | 269 | 49 97 | 476 | , | | | | | ,,, |
| | 1 | Į. | | | | 1 | | 1 | } | } | } | } | } |] |

DIX 10
as one system from the commencement

| | | Īη | THOUSAND | s of Rupei | 88 | | | Percent- age of | PA | esengers. | | , | Goods | |
|------|-------------------|-----------------------|-------------------|---------------------|-----------------|---|--|--|--------------------------------------|--|--|---------|--|--|
| YEAR | Mileage open | Capital ontlay | Gross carnings | Working expenses | Net earmings | Gross carn ings per milo per weok | Psrcent nge of working expanses to gross earnings | net earnings on capital entlay on lines wholly and partly open | Number carried in thousands | Earnings in thonsands of rupees | Average rate charged per mils in pies | carried | Earnings in thonsands of rupees | Average rate charged per ton por mile in piss |
| | | | | | | $\mathbf{R}_{\mathbf{S}}$ | | | | | | | | |
| 1879 | 8,475 | 1,22,52,97 | 12,08,15 | 6,26,28 | 5 81,87 | 275 | 51 E4 | 476 | | | | | | |
| 1880 | 8,996 | 1,28,56,91 | 12,86,55 | 6,48,00 | 6,38,55 | 282 | 50 37 | 4 97 | н | | | | | f |
| 1881 | 9,858 | 1,40,80,80 | 14,32,31 | 7,07,12 | 7,25,19 | 285 | 49 87 | 5 16 | 54,764 | 3,79,23 | 2 78 | 13,214 | 9,55,97 | 795 |
| 1882 | 10,069 | 1,43,24,42 | 15,35,23 | 7,66,81 | 7,68,42 | 294 | 49 95 | 5 36 | 58,876 | 4,08,37 | 2 71 | 14,833 | 10,15,97 | 7 91 |
| 1883 | 10,447 | 1,48,20,56 | 16,38,94 | 7,97,05 | 8,41,89 | S01 | 48 62 | 5 68 | 65,099 | 4,09,08 | 2 60 | 16,999 | 11,28,69 | 7 30 |
| 1884 | 11,527 | 1,55,45,04 | 16,06,62 | 8,15,62 | 7,91,00 | 276 | 50 76 | 5 09 | 73,815 | 4,4 6,84 | 2 56 | 16,663 | 10,56,59 | 7 95 |
| 1885 | 12,208 | 1,61,01,78 | 17,^8,96 | 8,86,33 | 9,12,63 | 284 | 49 27 | 5 64 | 80,865 | 4,78,12 | 2 52 | 18,925 | 11,91,54 | 6 83 |
| 1886 | 12,865 | 1,70,42,89 | 18,70,46 | 8,93,10 | 9,77,36 | 28a | 47 75 | 5 73 | 88,436 | 5,09,77 | 2 51 | 19,576 | 12,38,59 | 7 02 |
| 1887 | 14,008 | 1,82,97,93 | 18,46,81 | ٩,10,73 | 9,36,48 | 260 | 49 31 | 5 12 | 95,412 | 5,35,32 | 2 51 | 20,196 | 11,92,93 | 7 17 |
| 1888 | 14,525 | 1,93,04,33 | 19,76,45 | 9,87,44 | 9,89,01 | 263 | 49 96 | 5 12 | 103,156 | 5,69,06 | 2 71 | 22,393 | 12,79,04 | 6 87 |
| 1889 | 15,900 | 2,05,04,61 | 20,40,37 | 10,37,74 | 10,11,63 | 257 | 50 64 | 4 93 | 110,650 | 6,13,74 | 2 52 | 22,249 | 13,05,56 | 6 88 |
| 1890 | 16,401 | 2,18,67,04 | 20,67,01 | 10,00,89 | 10,36,12 | 243 | 49 87 | 4 85 | 114 082 | 6,25,81 | 2 51 | 22,613 | 12,99,52 | 7 11 |
| 1891 | 17,283 | 2,21,06,42 | 24,04,18 | 11,00,39 | 12,73,64 | 271 | 47 02 | 5 76 | 122,855 | 6,86,13 | 2 52 | 26,159 | 15,60,81 | 6 75 |
| 1892 | 17,769 | 2 27,00,00 | 27,22,93 | 10,90 95 | 12,32,58 | 253 | 46 91 | 5 42 | 127,988 | 6,91,15 | 2 52 | 26,335 | 14,77,52 | 6 70 |
| 1893 | 18,459 | 2,53,17,87 | 24,08,42 | 11,34,77 | 12,73,65 | 254 | 47 12 | 546 | 135,520 | 7,29,57 | 2 50 | 28,817 | 15,21,63 | 6 60 |
| 1894 | 18,810 | 2,97,79,01 | 25,50,89 | 11,98,40 | 13,52,49 | 262 | 46 98 | 5 69 | 145,727 | 7,57,58 | 2 56 | 32,644 | 16,24,82 | 6 42 |
| 1805 | 19,467 | 2,44,58,05 | 26,23,60 | 12,11,99 | 14,11,70 | 261 | 46 19 | 5 78 | 15",081 | 8,02,21 | 2 49 | 33,628 | 16,36,94 | 6 36 |
| 1896 | 20,209 | 2,78,95,23 | 25,36,14 | 12,17,84 | 13,22,30 | 245 | 47 86 | 4 92 | 159,509 | 8,22,07 | 2 45 | 32,471 | 15,41,51 | 6 48 |
| 1897 | 21,115 | 2,82,12,04 | 25,60,11 | 12,47,73 | 17,12,38 | 233 | 48 74 | 4 65 | 150,581 | 7,62,13 | 2 47 | 33,926 | 15,88,89 | 6 36 |
| 1898 | 22,024 | 2,92,09,20 | 27,41,31 | 12,98,68 | 14,42,63 | 214 | 47 37 | 4 94 | 151,566 | 7,58,68 | 2 50 | 35,642 | 17,84,97 | 6 00 |
| 1899 | 23,507 | 3,08,50,12 | 29,36,78 | 13,93,36 | 15,43,42 | 246 | 47 45 | 500 | 161,720 | 8,09,39 | 2 51 | 39,748 | 19,19,82 | 5 98 |
| 1900 | Revised 24,752 | 3,29,53,34 | 31,54,02 | 15 09,31 | 16,45,01 | 245 | 47 85 | 499 | 176,303 | 8,95,07 | 2 11 | 42,896 | 20,36,52 | 5 8 |
| 1901 | 25 363 | 3,39,16,89 | 33,60,08 | 15,72,45 | 17,87,93 | 255 | 46 79 | 527 | 194,749 | 10,07,17 | 2 48 | 43,392 | 21,23,67 | 5.77 |
| 1902 | 25,931 | 3,49,77,34 | 33,92,69 | 16,70,49 | 17,22,20 | 252 | 49 24 | 4 92 | 196,648 | 10,27,48 | 2 51 | 45,537 | 21,23,41 | 5 6 |
| 1903 | 26,956 | Revised 3,41,11,23 | 36,00 82 | 17,11,09 | 18,89,73 | 257 | 4759 | 551 | 210,231 | 10,98,14 | 2 51 | 47,684 | 22,41,92 | 56 |
| 1904 | 27,565 | 3,52,85,95 | 39 64,97 | 18,77,50 | 20,87,47 | 277 | 47 30 | 5 91 | 227,097 | 11,76,20 | 2 51 | 52,051 | 25,18,81 | 5 3 |
| 1905 | 28,295 | 3,66,93,94 | 41,68,09 | 19,94,00 | 21,74,09 | 283 | 47 8 | 5 92 | 248,157 | 12 73,83 | 2 47 | 54,936 | 26,20,71 | 51 |
| | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 | 1 | | 1 | 1 |

APPEN

Summary of the general Indian Railways

| | | | GE | NERAL RESULTS |
|---------------|--|--|-------------------------------|---|
| | | | Total Workin | G EXPENSES |
| Calendar year | Total Capital outlay in thousands of rupees | Gross enrings in thousands of rupeos | Amount in thousands of rupous | Proportion per cent to groes carnings |
| 1 | 2 | 3 | 4 | 5 |
| 1901 • | 3,39,16,69 | 33,60,38 | 15,72,45 | 46 79 |
| 1902 | 3,49,77,31 | 33,92,69 | 16,70,49 | 49 24 |
| 1903 | 3,41,11,23 | 36,00,82 | 17,11,09 | 47 52 |
| 1904 • | 3,52,85,95 | 39 61,97 | 18,77,50 | 47 35 |
| 1905 | 8,66,93,91 | 41,68,09 | 19,94,00 | 47 84 |

| | | | | | | | GRO | oss earnii | нт иј вви | SCILLARUO. |
|----------------------|-------------------------|-------------------------|-------------------------------------|--------------------------------|----------------------------------|-------------------------------|---|---|----------------------------------|---|
| a 12 | | | COA | CHING TRAF | FIC | | | | - | Goods |
| Calendar year | ist class | 2nd class | Interme- diato olass | 3rd class | Season and vendors tickets | Other Conching Traffic | Total Conehing Trafte (sum of 15 to 20) | Total Goods Traffic (snm of 23 to 27) | General merchan dise | Conl and coke for the public and foreign railways |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1901 | 32,78 | 52,43 | 64,39 | 8,48,25 | 9,32 | 1,34,71 | 11,41,68 | 21,23,67 | 17,53,14 | 2,35,01 |
| 1902 | 88,57 | 56,59 | 67,60 | 8,54,97 | 9,75 | 1,47,60 | 11,75,08 | 21,23,41 | 17,40,72 | 2,26,75 |
| 1903 1904 1905 | 41,56 40,76 45,12 | 58,13 59,78 64,66 | 71,68 74,8 1 83,06 | 9,16,31 9,89,63 10,63,76 | 10,46 11,19 12,23 | 1,50,26 1,61,36 1,64,69 | 12,54,40 13,97,56 14,38,52 | 22,41,92 25,18,51 26,20,71 | 18,58,45 20,85,56 21,92,22 | 2,29,93 2,56,13 2,89,19 |
| | | | | | | | | | | |

Number of passengers and quantity of goods carried, the average miles

| | | | | P. | ASSEN (| ERS CA | ARBIED | IN THOU | SANDS, 'I | HL AVE | RAGE MII | LES CARF | RIED ANI |
|------------------|------------|-----|-----------------------------|---|---------|---------|---|---------|-----------------------------|---|----------|-----------------------------|---|
| g _o , | ondar year | 11 | ST CLASS | | 21 | D CLASS | | Inter | mediate C | LAES | | SBD CLASS | |
| Caro | ndar year | No | Average miles carried | Average rate charged per mile in pies | No | Average | Average rate chargod per mile in pies | No | Average miles carried | Average rate oharged per mile in pies | No | Average miles carried | Average rate charged per mile in pies |
| | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 41 | 45 | 46 | 47 | 48 |
| 1901 | . • | 532 | 92 82 | 12 70 | 2,405 | 76 27 | 5 49 | 6,670 | 59 94 | 3 09 | 170,416 | 41 27 | 2 31 |
| 1902 | • | 563 | 102 28 | 12 86 | 2,530 | 82 39 | 5 21 | 6 813 | 61 30 | 3 11 | 171,716 | - 41 08 | 2 33 |
| 1903 | | 594 | 101 71 | 13 21 | 2,580 | 78 13 | 5 54 | 7,214 | 61 64 | 3 09 | 184,292 | 40 94 | 2 33 |
| 1904 | | 608 | 95 28 | 13 41 | 2,715 | 74 23 | 5 69 | 7,394 | 62 89 | 3 09 | 199,651 | 40 71 | 2 34 |
| 1905 . | • | 662 | 98 29 | 13 31 | 2,949 | 72 92 | 5 77 | 8,104 | 63 78 | 3 09 | 218,413 | 40.92 | 2 30 |
| | | 1 | | | | | | 1 | | | | |) } |

DIX 11.
results of working
treated as one system

| C | F W | ORKI | NG | | | | | | | | | | |
|-----|-----------------------|--|-------------------------------------|--------------------------|--------------------|---------------------|---------------------|----------------|---------------------|--------------------|---------------------|--|---|
| 1 | N | et ea | RNING | es | | PER | MILE OP | en | | Per | TRAIN M | ILE. | |
| | Amon housa rupe | nds of | on C | entago apital tlay | Gr earn | | Working expenses | Ne | | Gross carnings | Working expenses | Net earnings | Remarks. |
| ľ | 6 | | | 7 | | 8 | 9 | 10 | | 11 | 12 | 13 | |
| ľ | | | | | | Rs | Rs | R | 8 | Rs | Rs | Ps | |
| 1 | 17, | 87,93 | 5 | 27 | .3 | 3,249 | 6,200 | 7, | 049 | 3 81 | 1 78 | 2 03 | |
| | 17, | 22,20 | 4 | 92 | 13 | 3,084 | 6,442 | 6, | 642 | 3 67 | 1 81 | 186 | |
| | 18, | 89,73 | 5 | 54 | 18 | 3,358 | 6,348 | 7, | 010 | 3 75 | 1 78 | 1 97 | The decrease in the capital ontlay for 1903 is due to the revision of the capital ontlay hitherto adopted for lines purchased by the State from Guaranteed Rail |
| | | 1 | | | | | | | | | | | lines parchased by the State from Guaranteed Rail way companies |
| | | 1 | | | | | | | | | | | |
| | 20,8 | 87,47 | | 91 | | ,384 | 6,811 | 7, | 573 | 3 86 | 1 83 | 2 03 | • |
| | 21, | 74,09 | 5 | 92 | 14 | ,731 | 7,0 17 | 7, | 684 | 3 89 | 1 86 | 2 03 | |
| 0 | F RU | PEES | | | | | WO | RKING | EXP | enses in Rupees | | | |
| TI | AFFI | a | | | raph | Steam | | | Car | | | s (steam outhen to nnd and miscel expendi | |
| -14 | Lili ary ores | Rove stores cluding and ma for con tion | s, in g eoal sterial strue | Miscella neens | El00-r10 tolograph | and sund ries | En gineer ing | Loeo motivo | ring and wago | Traffic | General | Other exponses (steam beat, contribution to Provident Find and speem and miscel laneons expendi ture) | ١ |
| | 25 | 26 | ; | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | |
| 1 | 1,97 | 9 | 6,41 | 21,14 | 7,49 | 87,31 | 0,55,93 | 5,59,13 | 1,51,5 | 90 2,63,92 | 1,57,85 | 83,72 | |
| 2 | 1,67 | 1,1 | 4,9 3 | 25,08 | 7,32 | 86,88 | 3,89,67 | 5,78,85 | 1,76,8 | 2,73,70 | 1,63,70 | 88,19 | The totals of columns 23 to 27 are more than the |
| 2 | 3,07 | 1,13 | 3,90 | 27,31 | 7,81 | 96,66 | 3,88,99 | 6,11,95 | 1,52,5 | 51 2,92,19 | 1,68,91 | 96,54 | The totals of columns 23 to 27 are more than the figures shown in column 22 by the amount of the Cawnpore Burhwal link carnings |
| | 9,14 | | 1,01 | 32,27 | 8,00 | 1,00 60 | 1 ' ' | 6,72,07 | 1,76,7 | 1 | 1,75,67 | 1,05,49 | |
| 2 | 0,63 | 1,4 | 6,51 | 38,77 | 8,79 | 1,00,11 | 4,81,59 | 7,02,38 | 1,84,0 | 3,31,02 | 1,86,93 | 1,08,03 | 1 |
| | | | | | | | | | | | | | |

carried and the average rate charged, and the train-mileage run by railways in India.

| CHE AV | ERAG | E RAT | TE CHA | RGED | TE | HUOHT | | (IN | God | DS TRAF | FIC |
|----------------|--------------------------------------|---|-------------------------|--------------------------------------|--------------|--------|--------|---|--------|---------|--|
| SEASON DORS | TIOKE | VEN | Total Passer Carr | GEES | | | | train miloago dos misoolla- train milo- | Tons | | Average |
| No | Avor- ago milos car ried | Avonago rate charged per mile in pies | No | Aver nge miles ear- ried | Coaoh ing | Goods | Mixed | Total train (inoludes p neous tra | | | rate charged por mile in pios |
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| | | | | | | | | | | | |
| 14,726 | 8 63 | 1 41 | 194,749 | 40 42 | 19,701 | 34,274 | 31,561 | 88,265 | 43,392 | 162 75 | 577 |
| 15,026 | 8 85 | 141 | 196,648 | 40 03 | 21,708 | 36,019 | 31,781 | 92,527 | 45,537 | 157 54 | 5 63 |
| 15,551 | 8 75 | 1 48 | 210,231 | 39 90 | 25,889 | 36,808 | 31,438 | 95,960 | 47,684 | 159 93 | 5 64 |
| 16,729 | 9 08 | 141 | 227,097 | 89 65 | 31,577 | 38,797 | 28,620 | 102,721 | 52,051 | 172 42 | 5 39 |
| 18,029 | 9 16 | 1 42 | 248,157 | 39 90 | 83,491 | 89,712 | 29,892 | 107,015 | 54,936 | 176 60 | 5 19 |
| | | | | } | | | | | | | |

APPENDIX 12.

General results of working each railway system

| , | | | | | | | | | | |
|-----------|---------------------------------------|--|--------------------------------------|--|---|--|---|---|--|---|
| N | UNDER | | | | Onautity of | | | ' | | ł |
| Main head | Bul-hend | Bailway | lear | Number of passengers carried (in thousand) | Quantity of goods and minerals carried (in thousands of tons) | Gross carn ings (in thou ands of rupees) | Working expenses (in thousands of rupees) | Net earnings (in thousands of rupees) | Percentago of working expenses to pross earnings | Erniers |
| | | 5' G" GAUGE | | | | | | | | |
| | | Bengal Central | 1901 1902 1903 1904 1905 | 1,885 1,911 1,989 2,011 ‡1,070 | 178 169 206 235 ‡76 | 14,05 13,17 15,09 15,60 ‡6,66 | 7,62 7,43 10,01 10 20 ‡5,08 | 6,43 5,71 6,08 5,40 ‡1,58 | 54 25 56 13 66 36 65 40 176 28 | ‡ Figures shown are only for the first-half of the year These for the second half have been ircluded with Fast- |
| 1 | (a), (b) and (e) | Bengal Nagpur | 1901 1002 1003 1904 1905 | 6 103 6,472 6,109 7,715 8,902 | 2 212 2,880 2,918 3,381 3,975 | 1 30,78 1,42 18 1,55,48 1,63,12 2,1171 | 69 29 72,80 87,02 93,25 1,10,68 | 61,49 60,38 70,46 95,87 1,31,03 | 52 98 51 20 54 69 19 31 45 23 | ern Bengal Siste |
| 2 | (a), (c) to (f), (n) and (0) | Bombay, Barods and Central India | 1901 1902 1903 1904 1905 | 18,111 18,891 19,654 21,685 23,489 | 1,973 1,927 1,770 1,797 2,055 | 1,70,58 1,71 20 1,83,76 1,91,08 2,11,73 | 75,91 83,93 91,73 90,19 92,17 | 94 67 87,37 92,03 1,00,89 1,19,26 | 41 50 48 90 40 92 47 20 43 67 | |
| 3 | (a) | Eastern Bengal State | 1901 1902 1903 1901 1905 | 13,272 13 664 14,331 11 680 17,000 | 1,616 1,800 2,661 2,660 2,075 | 91,41 1 03 83 1,02,22 1 08,77 1,18,00 | 48,07 50 63 51,39 57 60 64 14 | 46,37 53,90 50,83 50,97 53,56 | 50 89 48 18 50 27 53 11 54 61 | |
| 4 | (a) to (d) | East Indian | 1901 1902 1903 1904 1905 | 23,975 23 256 21,282 25,181 21,938 | 10,418 10,493 10,702 12,241 12,236 | 7,70 49 7,01,31 7,20,62 7,87,26 7,79,46 | 2,57,61 2,58 60 2,16 13 2,60,52 2,82,15 | 4 72,57 4,15,51 4,80,39 5,20,41 4,97,31 | 35 27 36 71 33 89 33 89 36 20 | |
| Б | (a) | Great Indian Peninsula | 1901 1902 1903 1904 1905 | 20,109 18,349 20,221 22,454 25,293 | 3,213 1,278 4,518 7,012 5,676 | 4,18,15 4 21,25 4,68,69 5,86,20 6,30 41 | 2,00,95 2,12,97 2,30,19 2,92,93 3,05,37 | 2,17,°0 2,11,38 2,39,20 2,93,°7 3,25,07 | 45 03 50-17 40 18 19-96 45 11 | |
| б | (b) to (g) | Indian Midland | 1901 1902 1903 1904 1905 | 2,529 2,519 | 1,309 1,349 | 1,00,02 1,00,63 1,00,33 | 49,99 55,67 49,65 | 51,04 53,96 50,65 | 45 97 50 78 49 52 | Great Indian Pe- |
| 6 | (a) to (c) | Madris | 1901 1902 1903 1904 1905 | 12,277 13,005 13,712 13,953 11,396 | 2,413 2,310 2,310 2,743 2,822 | 1,62,73 1,66,01 1,73,17 1,90,53 2,08,41 | 83,64 91,03 1,01,50 1,11,29 1,22,30 | 79,09 74,95 71,97 79,94 86 02 | 51 10 54 86 78 51 59 41 58 73 | |
| 8 | (a) & (b) | Nızam's Guarantoed State | 1901 1902 1903 1901 1905 | 1,409 1,750 1,797 1,476 1,583 | 9°0 975 895 878 837 | 43,55 46,96 46,26 46,53 46,26 | 15,50 18,73 19,33 16,83 15,72 | 25,03 28,21 20,91 21,70 30,51 | 76 59 37 87 41 79 76 17 33 98 | |
| 9 | (a) to (e) | North Western State— Commercial Section | 1901 1902 1903 1904 1905 | † † † † | † † † † | 4,14,73 4,17,04 4,67,77 6,12,71 5,99,17 | 1,91,35 2,23,99 2,20,61 2,63,32 2,81,14 | 2,23,38 1,03,05 2,60,16 3,43,42 3,18 03 | 46 14 53 59 45 01 12 97 46 92 | available |
| | | Military Section | 1901 1902 1903 1904 1905 | † † † | † † † † † | 3°,17 37,6° 3°,99 46,00 43,07 | 38,61 41,97 41,71 52,19 43,97 | -44 -4,58 -2,72 -6,19 -90 | 101 15 113 16 106 98 113 47 102 09 | |
| | | Total { | 1901 1902 1903 1904 4905 | 20,291 20,822 22,777 25,524 80,017 | 5,601 5,934 6,064 6,431 7,237 | 4,52,90 4,55,03 5,28,76 6,53,71 6,42,21 | 2,29,96 2,65,96 2,62,32 3,15,51 3,25,11 | 2,°2,91 1,°9,07 2,66,44 9,43,23 3,17,13 | 50 77 58 44 49 61 47 89 50 62 | |
| 10 | (a) to (c) | Ondu and Robilkhand State | 1901 1902 1903 1904 1905 | 8,764 8 332 8 902 9 776 10,797 | 1,699 2,302 2,359 2,541 2,340 | 1,34,68 1,34,18 1,42,13 1,55,60 1,56,99 | 61,42 68 81 68,49 82,05 92,21 | 79 26 65,87 73,64 72,65 64,78 | 45 60 51 28 48 19 53 31 58 74 | |
| 11 | (a) & (b) | 3' 33" GAUGE C Assam Bengal | 1901 1902 1903 1904 1905 | 1,740 1,763 1,961 2,220 2,476 | 239 826 403 361 432 | 21,34 20,96 24 28 30,10 34,83 | 16,78 18,42 19,58 28,57 33,00 | 4 56 2,54 4,70 1,53 1,83 | 78 60 87 86 80 64 94 92 94 75 | |

APPENDIX 12-contd

General results of working each railway system -contd.

| No | MBEE | | T | | | | | ľ | | | |
|-----------|------------|--|---|--------------------------------------|--|--|---|---|---|---|---|
| Main head | Sub head | Railway | | Year | Number of passengers carried (in thousands). | Quantity of goods and minerals carried (in thnusands of tons) | Gross earnings (in thousands of rnpees) | Working expenses (in thnusands nf rupees) | Net earnings (in thousands of rupees) | Percentage of working expenses to grass carn ings | Remarks |
| 12 | (a) & (b) | 3' 3%" GAUGE—contd Bengal and North Western | | 1901 1902 1903 1904 1905 | 9,802 10,126 12,077 12,910 14,006 | 1 370 1,460 1,707 1,789 1,815 | 97,21 1,01,50 1,19 15 1,29,99 1,23,61 | 43,34 47 04 48,50 51,60 53,31 | 53,87 54 46 70,65 78,39 70,30 | 44 59 46 35 40 71 39 70 43 13 | |
| 13 | (a) & (b) | Bengal Dooars | | 1901 1902 1903 1904 1905 | 316 362 443 519 486 | 78 91 121 171 194 | 4,87 5,27 6,58 7,61 8,82 | 2,42 2,69 3,28 3,96 4,85 | 2,45 2 58 3,30 3 65 4,47 | 49 65 51 09 49 87 52 02 49 32 | |
| 14 | (a) to (d) | Bhavnagar Gondal Junegad Porhandar | | 1901 1902 1903 1904 1905 | 1,842 1 506 1,699 1,938 2,105 | 245 245 261 302 284 | 18 96 16,85 19,54 22,37 22,40 | 10,86 10,02 9,82 10,56 10,99 | 8,10 6,83 9,72 11,81 11,41 | 57 26 59 49 50 27 47 20 49 06 | |
| 15 | ((a) | Burma | | 1901 1902 1903 1904 1905 | 11,651 12,16 ₀ 14 220 16,118 16,871 | 1,475 1,603 1,860 2,175 2,430 | 1,18,85 1,25,03 1,36,14 1,51,02 3,57,76 | 63 96 72 30 83 95 85,32 95,95 | 49,89 52,73 52 19 65,70 61,81 | 58 02 57 83 61 66 56 49 60 82 | |
| 16 | (a) | Deoghur . | | 1901 1902 1903 1904 1905 | 329 185 262 281 _73 | 13 10 15 14 14 | 48 30 41 47 45 | 30 24 30 32 32 | 18 6 11 15 13 | 61 45 79 75 73 17 68 49 71 11 | |
| 17 | (a) & (b) | Dibru Sadiya | | 1901 1902 1903 1904 1905 | 290 302 299 339 353 | 577 510 556 613 642 | 9,99 9,10 9,76 10,04 10,14 | 5,14 4,98 5,26 5,70 5,55 | 4,85 4,12 4,50 4,34 4,59 | 51 50 54 77 53 89 56 75 54 73 | |
| 3 | (8, to (d) | Eastern Bongal Stato | | 1º01 1902 1903 1904 1905 | E E E | 998 1,049 | 76 48 80,81 85 50 89,55 89,38 | 39,93 41,28 50,17 | 39.88 | 56 02 | * Included w Eastern Beng State Railway (b' gauge) |
| 8 | (c) | Hyde-abid Godavarı Valley | | 1901 1902 1903 1904 1905 | 1,176 1,216 1,183 1,264 1,591 | 527 587 546 349 373 | 20,10 22,88 22,14 22 12 29,64 | 10,87 13,20 13,28 14,37 16,35 | 9,23 9,68 8 86 7,75 13,29 | 64.97 | |
| 18 | (a) to (c) | Jodhpur Bikaner | | 1901 1902 1903 1904 1905 | 1,467 1,378 1,560 1,702 1,970 | 403 456 403 439 471 | 22,38 25,02 27,44 30 60 35,24 | 13,51 | 9,94 11,96 14,20 17,09 20,33 | 52 18 48 26 44 15 | |
| 19 | (a) | Morvi | | 1901 1902 1903 1904 1905 | 303 243 257 293 286 | 19 19 34 | 3,05 2,98 3,55 | 5 1,99 3 1,59 5 1,66 | 3 1,13 3 1,45 3 1,89 | 65 00 62 85 51 43 64 46 73 46 13 | 9 |
| 6 | (d) & (e | Nilgiri and Shoranur Cochin | | 1901 1902 1903 1904 1905 | 76 889 695 724 732 | 150 111 | 6,28 6,88 | 3,5 | 9 1,86 6 2,73 3 2.66 | 0 67.83 | |

APPENDIX 12-contd

General results of working each railway system—contd

| | | | 1 | 1 | T | | <u> </u> | | 1 | |
|-----------|------------------------|--|--|--|---|--|---|---|--|--|
| Main head | Sub-head | r Railway | Year | lumber of passengers carried (in thousands) | Quantity of goods and minerals carried (in thousands of tons) | Gross earn ings (in thousands of rupers) | Working expenses tin thoosands of rupees) | Net carnings (in thousands of rupers) | Percentage of working expenses to gross earnings | Remares |
| 2 | (b) & (g) to (m) | 3' 3½" GAUGE—concld Rajputana Malwa | { 1901 1902 1903 1904 1905 | 12,874 12,091 12,447 13,194 15,223 | 2,393 2,230 1,976 2,117 2,669 | 2,84,69 2,65,04 2,83,74 2,41,37 2,93,28 | 1,31,57 1,25,79 1,16,11 1,14,80 1,25,85 | 1,53,12 1,39,25 1,17,63 1,26,57 1,67,43 | 46 21 47 46 49 67 47 56 42 91 | |
| 20 | (a) & (b) | Robilkund and Kumaon | 1901 1902 1903 1904 1905 | 1,589 1,592 1,546 1,673 1,772 | 373 432 419 439 441 | 17,57 18,64 18,16 10,15 19,58 | 7,89 8,76 8,47 8,93 10,13 | 9,63 9,88 9,69 10,22 9,75 | 44 90 47 00 46 65 46 63 50 96 | |
| 21 | (a) to (f) | South Indian | 1901 1902 1903 1904 1905 | 14,035 15,387 17,878 19,164 19,383 | 1,683 1,610 3,616 3,508 3,105 | 1,05,28 1,10,10 1,28,85 1,31,40 1,41,03 | 49,29 50,97 51,81 60,62 69,77 | 55,97 59,13 77,04 78,78 71,26 | 46 40 45 82 40 21 45 10 49 47 | |
| 22 | (a) to (i) | Southern Mahrat [*] a | 1901 1902 1903 1904 1905 | 5,927 6,397 6,698 7,158 8 404 | 967 1,016 ,1,089 1,331 1,342 | 81,12 93,17 95,58 1,07,95 1,14,26 | 57,15 60,65 58,96 68,50 69,36 | 23,97 32,52 36,62 39,45 41,90 | 70 45 65-09 61 51 63 16 60 70 | |
| 23 | (a) | Udaipur Chitor | 1901 1902 1903 1904 1905 | 189 179 190 162 257 | 28 27 15 11 16 | 2,22 2,17 1,78 1,51 2,03 | 1,28 1,20 1,11 08 1,03 | 91 97 67 53 1,01 | 57 64 53 31 02 63 64-86 50-00 | - |
| | | West of India Portugueso | 1901 1902 1903 1904 1905 | 250 | 74 | 3,68 | 4,17 | — 49 * * | 113 20 | * Included with the Southern Mahratta rail way. |
| 24 | (a) | 2' 6" GAUGE. Baraset Basırhat Light | 1901 1902 1903 1904 1905 | 295 | 2 | 1,11 | 53 | 56 | 49 55 | |
| 25 | (a) | Barsı Lıght | 1901 1902 1903 1904 1905 | 77 72 62 77 101 | 54 50 45 50 82 | 1 68 1,50 1,30 1,67 2,19 | 89 97 77 1,02 80 | 79 53 53 65 1,39 | 52 69 64 81 59 23 61 09 36 58 | |
| 26 | (a) | Bukhtsarpore Behar Light | 1901 1902 1903 1904 1905 | 118 296 252 | " 7 25 19 | 36 1,14 , 89 | 21 48 53 | , 15 63 36 | 57 74 41 90 59 55 | |
| 27 | (a) | Catch . | 1901 1902 1903 1904 1905 | 3 | 7 | 22 | 6 | 16 | 27 27 | |
| 30 | (a) | Kalka Sımla | { | 6 84 97 | 2 25 27 | 32 5,90 7,52 | 3.82 | 2,08 | 78 09 64 41 46 68 | |

APPENDIX 12-concld.

General results of working each railway system—concld.

| No. | TBED | | | | | Quantity of goods and | a | 1170-1 E | 37-1 | Percentage | |
|------------|----------|-------------------------------------|----------|--------------------------------------|---|--|--|---|---|--|--|
| Main bead. | Sub bead | Railway - | | \ ear | A umber of passengers carried (in thousands) | goods and minerals earried (in thousands of tons) | Gross earn ings (in thousauds of rupees) | Working expenses (in thousands of rupces) | Net earnings (in thousands of rupces) | of wo king expenses to gross earning | REMARKS |
| | | 2' 6" GAUGE—concld | | | | | | | | | |
| 1 | (c) | Mourbhanj , | | 1901 1902 1903 1904 1905 | 30 | 13 | 31 | 24 | 7 | 77 42 | |
| 1 | (d) | Parlakimedi Light , | | 1901 1902 1903 1904 1905 | 52 59 68 | 4. 7 10 | 17 21 27 | 27 22 23 | 10 1 4 | 155 58 106 29 85 19 | |
| 20 | (c) | Powayan Light | | 1901 1902 1903 1904 1905 | 222 258 269 272 (299 | 17 24 22 25 30 | 67 76 72 78 92 | 47 53 49 47 56 | 20 23 29 31 36 | 70 00 70 24 60 84 60 34 60 87 | |
| | | Ranoghat Krislinegar Light | | 1901 1902 1903 1904 1905 | 226 241 248 † | 1 7 † | 69 76 86 ‡41 T | 54 55 58 ‡29 † | 15 21 33 ‡12 † | 78 03 71 97 C0 86 70 24 † | †Included with the Eastern Bengal Stato Railway metre and special gauges |
| 32 | (a) | Tarakeshwar Mogro Light | | 1901 1902 1903 1904 1905 | 419 428 427 472 456 | 9 11 17 23 22 | 83 84 85 90 87 | 58 59 60 62 65 | 25 25 25 28 28 22 | 70 23 70 52 70 40 63 25 74 71 | ‡Figures shown only for the first half of the year Those for the second half have been included with the Eastern Bengal State Rail |
| 33 | (a) | Tezpore Balıpara Lıglıt | | 1901 1902 1903 1904 1905 | 116 125 145 149 155 | 8 8 9 8 14 | 84 85 95 88 103 | 67 63 67 71 76 | 17 22 28 17 27 | 79 84 74 53 70 72 80 48 73 79 | way metro and spe |
| 1 6 | (£) | Tirupattur Krishnagiri | () | 1901 1502 1903 1904 1905 | 37 | 2 | 13 | 14 | ,1 | 107 69 | |
| 35 | (a) | 2' 0" GAUGE Dorjeeling Himolayan | ر | 1901 1902 1903 1904 1905 | 74 80 109 139 137 | 31 33 44 44 44 | 10,45 | 4,72 5,45 | 4,72 | 55 54 56 65 53 46 | |
| 86 | (a) | Howrah Amta Light | | 1901 1902 1903 1904 1905 | 762 783 808 855 940 | 24 14 17 13 17 | 2,65 2,77 2,97 | 1,32 1,39 1,42 | 1,15 1,33 1,38 1,55 1,78 | 49 86 50 32 47 82 | |
| 37 | (a) | Huwrah Sheakhola Light | السلمسار | 1901 1902 1903 1904 1905 | 302 314 343 346 351 | 4 6 7 6 6 | 87 | 50 52 47 | 32 35 39 | 61 33 59 85 54 72 | |
| 38 | (a) | Jorlint | | 1901 1902 1903 1904 1905 | 76 130 155 163 167 | 12 12 12 10 10 | 87 91 74 | 90 77 78 | -3 14 -4 | 104 22 85 02 105 17 | |

APPEN .

Principal commodities carried by railways and the

[The total quantity of each commodity represents the total weight conveyed over all railways in India

| | | | [The total | Inantity | ni caen com | monty rep | resents tho | (Otal Weigi | it convey | ed over a | ar ranway | s in india |
|---|--|--|---|---|--|---|---|--|---|--|---|--|
| | CHEEF. | | 1 | | 11 | | | · | | | | ! |
| | emere | Railwry system <i>vido</i> Appendl x I | Apparel ing dr ing dr haberds milliner forms to ments b sbo | shery v um ccoutre oots and | Goal an carried public foreign x | for the | 1 B | aw | (a) Twist an Euro | d varn | (Twi tan Ind | 2 d yarn, |
| Main head | Sub head | | Quantity | Ertnings | Quinlity 3 | Larnings | Quantify | Earnings | Quantity | Earnings | Quantity | Carmogs. |
| 1 2 8 4 5 6 8 9 | (a), (b) & (c) (a) (c) to (f) & (n) & (a) (a) to (c) (a) & (b) | 5' 6' gauge Bengai Nagpur Bombav, Baroda and Central India Eastern Bengai Stato East Indian Great Indian Peninsula Madras Nizam s Gnarutced Stato Aorth Western Stato Ondh and Rohilkband Stato | Tnns 307 700 1 563 2 617 1 274 417 86 4 527 1,832 | R5 7 813 10 899 15 050 92 018 09 075 8 205 1 483 1 05 162 15 678 | Tons 1 528 877 41 803 5 10 668 6 142 264 215 618 355 622 330 231 1 48 643 81 603 | Rs °C 10 263 1 76 721 4 47,6°3 2 09 41 330 6 55 2°0 0 02 023 11 78 567 4 01 533 2 38 951 | Tons 21 600 101 801 2 058 83 765 407 8.8 33 650 6 004 100 123 25 2 4 | Rs 2 70,435 20 11 223 14 204 10 29 911 1 02 09,262 8 83 210 46 134 15,27,°83 1 33 Soo | Tnns 4 771 324 2 5.3 1 054 13 711 5 '30 3,721 1 023 2,035 | Ps 41 000 7 107 18,800 30 0-7 3 20 153 62 684 41 316 83 0-8 22 358 | Tons 15,877 10 807 4 180 18,230 10 430 14 441 2 322 7 381 7,840 | R ₈ 1 60 041 2 33 504 27,0.0 2 0° 0, 5 2 °0 436 1,°6 412 31 339 1,10 716 59 010 |
| 11 12 13 14 15 10 17 8 18 0 10 2 20 21 22 23 | (c) (d) to (f) (b) & (g) to (n) (a) & (b) | 3' 34" gauge Assam Bengal Bengal and North We tern Bengal Dooars Bhavnagar Gondal Junagad Porbandar Bu ma Deoghur Dibru Sadiya Hyderabad Godavarl Valley Jodhpur Bikaner Madras Morvi Rajputana Malwa Rohilkund and Kumaon Southern Mabratta Udaipur Chitor | 116 053 513 4,2 69 293 34 33 1 052 3 3 266 2,8 | 1 158 12 615 1 080 8 101 1 857 4 °20 4.3 232 2, 000 3 468 3 032 4 307 113 | 7 507 | 5° 33. 1 °, 637 37 831 6 787 1 2.0 767 1 89 742 31 303 81 707 8,811 303 91,36. 1 033 5° 331 | 1 307 1 147 2 16 8,6 6 030 145 30 620 14 593 5 3 1 °56 112 160 63 32 178 120 111 | 11 291 15 233 41 03 530 27,480 1 1°2 3 90,012 60 178 3 018 0 370 15 33 839 40. 1 70 346 6,75 °90 7 844 | 606 599 20 28 3 019 413 33 58 223 17 2,807 2 °96 | 4 338 8,030 83 103 73 084 7 9.7 131 370 1 3 202 95 33,057 30,964 | | 023 61 472 63 1 070 6 740 10 4 21,000 3 203 1 791 185 3 03,790 5,610 79,248 1 10,427 |
| 24 25 26 27 30 1 1 20 32 53 | (e) (a) (e) | 2' 6" gauge I araset Basirhat Barsi I ight Bukbuarpore Bebar Light Cutch kalka Simla Mourbhanj Par akime li Light Powayan Light Tarakeshwar Magra Terpore Balipara 2' 0" gauge Darjeeling Himalayan | 1 30 401 2 2 | 4 100 8 021 6 5 | 241 2 3 011 10 106 2 186 | 30 691 14 14 109 6 321 | 0 | 23,508 148 16 6 3 | 42 3 | | 1 3 161 | 654 20 11 136 |
| 35 36 37 33 | 41 | Howrell Amia Howrell Shealhala Jorhat Total 1905 Total 1904 IRCREASE Decrease | 17 009 16 Goo | 3 90 217 | 10 °C 501 | ° 83 06,878 | 1,23,70 | 185 70 930 | 46 167 | | 151 398 134 631 | 3 496 18 36 148 15 01 096 2 4° 052 |

DIX 17
carnings therefrom during the calendar year 1905

and is therefore not the same as the total production]

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| | (c) | | (d) | T | (e) | | | . exc | epting tpetre | otho | xicating r than | 1 | (a) | T | (8) | - , | FOTAL | |
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| Quantity | Lamings | Quantity | Earnings | Quantity | Larnings | Quantity | Earnings | Quantity | Carnings | Quantity | Earnings | Quantity | Carnings | Quantity | Carnings | Quantity | Larnings | |
| Tons | Ps | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Ps | Tons | Rs | Tons | Rs | |
| 8 757 | | 1 | | | | 50 731 | 7 07 981 | 494 | 5 424 | 49 | 025 | 1 | | 1 8,0 | 17 387 | 1 909 | 18,312 | 1 |
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| 33 830 | I | 1 | 73,300 | 1,485 | 40 0°3 | 490,352 | 1 18 01 200 | 1 512 | 4,303 | 188 | 4 492 | 2,7 | 11 582 | 3 022 | 75 622 | 3,497 | 59 583 91,696 | 4 5 |
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| 2,536 18764 | 1 | 1 ' | 1 | 1,235 | 27,334 | 165,0 | 1,71 551 | 133 | 2 100 | 30 | 413 | 100 | 1 917 | 1 027 | 8 246 | 1,166 | 10 515 | 8 |
| 9,101 | 63,187 | | 43 021 | 370 | 3,725 | 172,152 50 943 | 29,82 369 3,28 485 | 3 993 2°5 | 1 059 | 40° 106 | 7,831 2 460 | 017 | 21,001 | 8 415 | 1,14 %3 | 9 51 1 | 1,43 3,0 | Ð |
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| 470 671 | 4,5,2 | 1 393 | 0 110 | 10 | 71 | 10 Su2 | 1,12,738 | | 774 | 23 | 310 |] | | 264 | 3 400 | 251 | 3 4.09 | 13 |
| 7,003 | 1,15 149 | 1 | 1 | 2 | 15 | 17 800 | 2 30,704 | 07 122 | 2 764 | | 310 | 103 | 547 2 399 | 201 | 504 | 153 | 1 497 | 14 |
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| 822 | 11 250 | 1 212 | 17 9 10 | 5 | 93 | 31,133 | 4 51 831 | 21 | 351 | 11 | 105 | 20 | 353 | 11 | 590 | 73 | 1 137 | 8 |
| 1,101 237 | 1 163 | 2 136 | 15 032 | 57 25 | 67a | 18,552 | 94 500 8 6,6 | 77 | 014 | 8 2 | 125 30 | 21 | 330 | 237 | 2 677 | 316 | 3,138 | 18 |
| 76 | 310 | 147 | 618 | 4 | 23 | 1 643 | 10 5.0 | 130 14 | 1,311 | 101 | 073 | 11 | 123 93 | 213 50 | 1,571 | 220 | 1 573 | G |
| 15,501 | 1 08 369 | 15 300 | 3 3 9 403 | 1 018 | 25 510 | 150,233 | 23 13 2 19 | 270 | 5,159 | 141 | 2,987 | 30 | 834 | د1 90 م | 197 33,412 | 2076 | 803 37 283 | 19 |
| 178 | 2746 | 1 953 | 13,510 | 44 | 300 | 3 550 | 23 /33 | 73 | 618 | 20 | 532 | 3 | 40 | 1 205 | 9 310 | 1 %8 | 9 891 | 20 |
| -, | 1 1º 570 | 4 715 | 41 825 | 15. | 1 382 | 59 00 | 4 /5 437 | 145 | 2,,00 | 61 | 410 | | 5 310 | 2 085 | 17 027 | 2 599 | 22 818 | 21 |
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| | 823 | ,,, | 503 | 10 | 40 | 0.000 | 22.004 | | 40 | | | | | : | | | | 25 |
| 237 | 0-7 | 191 | 503 | 13 | 42 | 0 003 | 75,901 | 16 | 10 | | | 2 | 5 | 37 | 104 | 39 | 100 | 25 |
| | | } | | | | 20 | 3°3 | | | | | | | 1 | 2 | 1 | 2 | 26 27 |
| 1 | 21 | 105 | 4 378 | 210 | 3 593 | 420 | 8,111 | | | 2 | 51 | 101 | 1 902 | 16 | 3.7 | 110 | 2 373 | 29 |
| 21 | 72 | 2 | 9 | | | 30 | 97 | 1 | 2 | | | | | 3 | 12 | 3 | 12 | 1 |
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| 409 | 10 90 | 91 | 3 1 12 | 30 | 975 | 5o3 | 18 701 | | | | | 137 | 2 709 | 29 | 890 | 105 | 3 500 | |
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| 21 . 502 | 49 24 00* | 1 (2 20" | ⁷ 3 46 600 | B 657 | 1.8 , 970 | 1 878 729 | 2 81 00 13, | 15,011 | ° .8 6°0 | 2 721 | 37 50° | 3 700 | | P1 40: | | | | 33 |
| | | | | | | | | | | | | | <u>S</u> 7721 | | J 29 110 | 57,950 | 6 58 672 | |
| 235 507 | 46 10 933 | 135 591 | 22 83 030 | 7,590 | | | 2 30 38 131 | | 2 33 014 | 2 400 | 39 697 | 3 221 | 83 834 | 11 642 | 5 02,210 | 50 326 | 6 24 741 | |
| 10 0°6 | 1 58 152 | 8 %-1 | 62 677 | 1,05 | 19 157 | 211 603 | 53 69 303 | 1,838 | 2,606 | | | 491 | 8,800 | 5 782 | 6 735 | 7 021 | 33 031 | |
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earnings therefrom during the calendar year 1905.

| | | 7 | 'II | | 1 | VII | 1 I | | | 11-(0 | ontinued on | following | page) | | ì | |
|------------------|----------------------|------------------|-----------------------|------------------|-----------|---------------------|--------------------------------|-------------------|-----------------------|-----------------|----------------------------|------------------------|---------------------------------|----------------------|------------------------|--------------|
| | | Fon | DEE | | | | | | | | EIIN AAD | | | | | Nunner |
| Oil (| 1) cake | Hay sti | d) taw and tass | To | tal | Fruits an ubles, | id veret fresh | Gram an | | (2 Jay 17 an | 1 | (3 Rice in t | | (4 Rice not in | | Main head |
| Quantily | Earnings | Quantity | Earuings | Quantity | Laruings | Quantity | Earnings | Quantity | Earnings | Quratify | Larangs | Quantity | Earmings | Quantity | Earmngs | |
| Tons | Rs | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Ps | Tons | Rs | Tons | Rs | Tons | Rs | |
| 1 830 | 20 890 | 2 %8 | 11,6ა5 | 7 118 | 32 545 | 9 253 | G4 702 | 121,745 | 10,42 %7 | 2 23 1 | 5 491 | 67 718 | 2,02 261 | 345,969 | 22 77 501 | 1 |
| 9,493 | 07,591 | 95,619 | 4 93,650 | 105,102 | 5 60,°10 | 33 6Gs | 194,920 | 57 . 7°8 | 4,12 707 | 63 7.3 | 2 02 847 | 7,1 7 | 41,520 | 51 331 | 3,90 637 | 1 |
| | | | | | | | | | | | | | | | | Į |
| 0 377 32 803 | 10 001 | 17 316 21 908 | 20 153 70 e73 | 20 692 51 711 | 49,141 | 10 160 9 556 | £1 6g1 1 28 503 | 73 914 240 4.1 | 2,40,959 14 78 066 | 37 365 | 181514 | 83 G IG 29 712 | 2 37 7/3 87 0 ₀ 1 | 97 376 | 2 03 466 10 30 695 | |
| 27 121 | 1 50 172 | 48 403 | 2 40 863 | 75 520 | 100 035 | 10 011 | 1,60,649 | 202 730 | 16,29 749 | 2,1 303 | 23 01 040 | 2 (31 | 10 995 | 11.760 | 8 71 377 | 1 |
| 12 415 | 52 339 | 8 782 | 21,140 | 21,107 | 73 497 | 23 929 | 1 00 32 | 100 743 | 5 98 021 | 106 416 | 6 54 907 | 160 943 | 7 00 2 0 | 200 577 | 14 55 197 | l |
| 1,200 | 7,490 | 2,419 | 6 399 | 3 649 | 13,899 | 2,672 | 23 511 | 22 422 | 03 815 | 35 450 | 1 56 909 | 600 | 4 505 | 20 511 | 1,42 3.6 | 1 |
| 19,274 | 44 510 | 51 540 | 2,03 117 | 0°810 | 2 52 657 | 25,201 | 1 62,689 | 203 060 | 18 69 778 | 180 "04 | 13 07 041 | 29 774 | 93 301 | 141 480 | 9 54 945 | |
| 3 517 | 17 010 | 10 574 | 91 751 | 14 371 | 497,3 | 13,411 | 50 121 | 91,622 | 3 02 102 | 14 720 | 50 149 | 5 707 | 26 143 | 47 121 | 1 90,637 | |
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| 2 ~41 | 1י 489 | 1,011 | 3 019 | 3,752 | 14,537 | 1,575 | 6 803 | 4 109 | 26 701 | | | 18 690 | 72 351 | 44 Go7 | 2 36 609 | |
| 7 221 | 23,066 | 7 219 | 25 657 | 14 440 | 51,623 | 7,4Gu | 27,0,0 | 78 0,0 | 2 86,707 | 2 691 | 7 110 | 30 001 | 1 18 4 0 | 201 436 | 11 % 068 | |
| 120 | 961 | 165 | 993 | \$05 | 1 %3 | 32 | 2,3 | 3 10° | 8 763 | | | 1 434 | 2 831 | 6 524 | 21 5.5 | |
| 82o | 4,029 | 4 5G1 | 18,114 | 5 396 | 23 012 | 5 350 | 21 513 | 6 190 | 10 108 | 30 976 | 1,19 301 | 40 | 66 | 11 212 | 43 249 | j |
| 2 079 | 10,362 | 883 | 4,159 | 2031 | 11 520 | 25 921 | 1 89 763 | 20 519 | 1 30 9-5 | 1 620 | 12,000 | 697,0 7 | 31,23 410 | 78,104 | 3 47 317 | |
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| | | | | | | <u> </u> | | 1 637 | 12 *07 | | | 16 523 | € 602 | | | |
| 5,130 | 20 683 | 62 | 259 | 5 217 | 20 972 | 2,6 | 2 072 | 18 800 | 1 18 005 | 21 902 | 1 59 509 | 103 | 210 | 10 321 | 53 9 3 | 1 |
| 197 | 567 | 8 501 | 10 075 | E 761 | 17 142 | 1 242 | 0 020 | 8 820 | 59 068 | 72 316 | 3,97 997 | 1 873 | 7 00 , | 41 612 | 1 89 617 | 1 |
| 321 | 978 | 49 | 229 | 373 | 1 207 | 07 8 | 1 957 | 2,132 | 8,812 | 113 | 177 | 2 015 | 4 309 | 19,700 | 40 714 | 1 |
| 3 | 29,338 | 128 21 810 | 304 | 131 | 374 | 177 | 063 | 1 691 | 3 319 | 3 40ა | 6 105 | 10 | 22 | 330 | 61 | |
| 7,017 | | 21 610 | 79,209 | _0,766 | 1,07,631 | 29,460 | 2 52 607 | 147 003 | 16 11,721 | 139 903 | 14 55 976 | 4 111 | 26 030 | 63 000 | 4 69 565 | |
| 399 | 1 166 | 1 119 | 77.3 | 1,819 | 8 939 | 3 603 | 29 350 | 32 999 | 6913 | 5 311 | 13 113 | 4 914 | 14 883 | 8 782 | 18 0.7 | |
| 30,847 | 1 30 319 | 4 J22 7 156 | 20 5°3 20'839 | 44,369 21,469 | 1 60 811 | 40 681 | 2 03 850 | 67 650 | 3 39 052 | 30 331 | 2 70 578 | 167 006 | 6 91 999 | 05 082 | 4 00 813 | 1 ' |
| 14 313 8 | 25 | 160 | 201 | 166 | 81,656 | 9 %i 115 | 55,3°8 660 | E9 519 949 | 3 49 FG7 3 787 | 199 503 11 | 5 9 ₀ 915 67 | 15011 | 5± 057 | Go 491 849 | 3,150 | 1 |
| | • | | | | ! | | | V. | | | | _ | | } | | |
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| 129 | 272 | 1 | 3 | 130 | 275 | 41 | 128 | 6 553 | 11 0la | 15 179 | 3°,100 | 273 | 579 | 1,0,3 | 2 357 | |
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| | • | •• | - | - | | | , | 100 | 3,1 | 3 163 | 10 697 | | - | 37 | 115 | |
| 110 | 1,521 | 210 | 2 887 | 365 | 4 411 | 113 | 2 313 | 1 468 | 17 157 | 21 | 310 | 61 | 737 | 1 | 7 9/7 | 1 |
| 1 | 3 52 | 18 | 60 | 19 67 | 63 52 | 1" | 49 | 25 | 59 | 1 | | 21 | 30 | 1 | 2 814 | 1 |
| 67 | "" | * | _ |) " | " | 83 | 71 | 912 917 | 1311 | 8 | 0 | 3 03 | 2 444 | 2 029 | } - 104 | 1 |
| 1,507 | 1,731 | 6 | 9 | 1 513 | 1,713 | 1,560 | 1,619 | 113 | 111 | | " | 1 016 | 1 700 | 135 | 132 | 1 |
| ess | 1,794 | | - | Goo | 1,791 | | | 303 | 1,478 | | } | 338 | 1,306 | 1 | - | |
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| ១វ | 339 | 15 | 211 | 50 | 580 | 131 | 2,637 | 1,070 | 12 509 | - | } | 23 | 171 | 12,636 | 1,50,44; | |
| *** | _ " | | | | | - | } | | | | | | - | | | |
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| | 0 01 002 | 210 012 | 13,55 057 | | 21,50 720 | 9.00 | 70 00 5 | | | | 00.10 | | | | | |
| 05 031 57 105 | 8,31,663 6 89 514 | | 19,55 057 | 379,738 | 17 81 1 0 | 2/0 055 251 561 | 18 39 7 .2 16 °2 167 | 1 691 698 | 95 8° 745 | | | 1 360 750 1 149 011 | 8 87 605 18 08 802 | | 1 11 30,426 | |
| 37 926 | 1,42,149 | 106 280 | 2 83 451 | 144 206 | 4 % 600 | 25 094 | 2 17 585 | 228 501 | 12 76 510 | 429 006 | 30 92 639 | | 10 71 7 3 | 1 792 838 256 2,0 | 04 20 494 17 06,032 | |
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APPEN

Principal commodities carried by railways and the

[The total quantity of each commodity represents the total weight conveyed over all railways in India

| | | L- | ne total qu | | | | | | | | 1 | |
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| | | Pailway system, rid Appendix I | 77) (6 | 9. | , (| 6) at flour |)، | 7) iers | To | TAL | | |
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| | | 5′ 6″ gauge | Tons | Гa | Tons | Ps | Tons | Rs | Tons | Гs | Tons | Re |
| 1 | (a) (b) & (e) | Bengal Nagpur | 136 107 | 13,19 184 | 4,275 | 27,390 | 3 916 | 11 933 | 697 961 | 43 80,013 | | |
| 2 | (a) (c) to (f) & (n) & (o) | Bombay Baroda and Central India | DS 3.3 | g 60 031 | G 574 | 53 414 | 30,408 | 1 51,614 | 350 812 | 10 12 899 | 7 | 123 |
| 3 | & (n) & (o) | Lastern Bengal State | 4702 | 13 690 | 7 139 | 72 487 | 4 130 | 13 310 | 270 9^7 | 7 80,7% | 2,08 | 1,16 376 |
| 4 | | East Lidian | ვ _ა ი 521 | 21 29 071 | 36 276 | 2 60 231 | 93 316 | 3 00 490 | 1 932 302 | 180 03 Ca | 1,638 | 10 490 |
| 5 | | Creat Indian Peninsula | 257,977 | າງ 27 305 | 18 6.3 | 1 42,695 | 37,164 | 2 04 603 | 011,275 | 81 50,604 | 240 | 5 398 |
| 6 | (a) to (c) | Madras | 2 278 | 12 860 | 2 121 | 15,890 | 79 673 | 4 78 600 | 4د7 718 | 10 13 000 | 1,6.0 | 17 253 |
| 8 | (1) & (1) | N1 am s Guaranteed State | 3 30, | 11 668 | 1 000 | 6 428 | 619 | 30)1 | 83 133 | 1 18 712 | Ð | 114 |
| 9 | | North Western State | 1,137 386 | 1 40 10 600 | 51 305 | £ 30 °87 | 112,501 | 6,59 126 | l . | 1,91,73 331 | 88 | 631 |
| 10 | | Oudh and RobilLhand State 3 3' gauge | 190 400 | 10,51,308 | 12 500 | 57 723 | 103 607 | 47,311 | 4,5 001 | 23,43 70 | | |
| 11 | | Assam Dengal | 71 | 378 | 180. | 11 3,3 | 59 | 369 | 60 393 | 317,763 | | |
| 12 | | Bengal and North Western | 59 510 | 2 10 032 | 3 591 | °4 180 | 1.3 392 | 6 30 000 | 598 -01 | 213356 | 31 | 203 |
| 13 | | Bengal Dooars | | | 467 | 1 ნ8ა | 1 806 | 7 201 | 13 423 | 42 93 | 214 | 1,392 |
| 11 | | Bhavnagar Gondal Junagad Porbandar | 2 0 12 | 7 3.3 | 2,8 | 1,117 | 8 420 | 21 818 | 65,°C0 | 2 12 9:3 | 4 | 3ა |
| 10 | | Burma • | 278 | 12,200 | 7 611 | 63 600 | 8 186 | ,3 °37 | 810 995 | 40 73 289 | 140 | 1 %8 |
| 16 | | Deoghur | າ | 28 | 60 | 17 | | | 715 | 212 | , | |
| 17 | | Dibru Sadiya | 19 618 | 1,23 164 | 200 | 911 | 430 217 | 3,138 2 143 | 18 70 ₀ | 61 2.7 · | | |
| 8 18 | (e) | Hyderabad-Godavarı Yalley Jodhpur Dikaner | 30 2 0 | 1, 5 103 | 163 4 218 | 9 142 | 39 456 | 2 % 01 | 272 5.1 | 10 % 61 | 16 | 1 2°ນ |
| 6 | (đ) to (f) | Madras | 4. | 221 | 541 | 41.2 | 5 393 | 27 *45 | 30,931 | 82 073 | 17 | 67 |
| 19 | () (), | Morvi | £30 | 1,°61 | 41 | 102 | 2 153 | 8°د 4 | 8 281 | 16,063 | - | |
| 2 | (b) & (g) to (m | Pajpatana Malwa | 161 501 | 11 77 3.2 | 8,594 | 58 313 | 183 4-9 | 16 18 723 | 7CO 633 | 68 78 114 | 29 | 367 |
| 20 | (4) & (b) | Pohilkund and Kumaon | 30 444 | 10 GG3 | 1,585 | ნ 703 | 32 670 | ივ ვვვ | 120,710 | 3 43 940 | | |
| 21 | | South Indian | 633 | 3 339 | 1 775 | 0-28 | 21 590 | 1 99 051 | E92 000 | 17 14 933 | 883 | 832 |
| 22 | | Southern Mahratta | 45 198 | 18,119 | 1 601 | 56 795 | 24 0°5 | 03 8ა* | 302 700 | 17 00 274 | 2 | 11 |
| 23 | | Ldaipur Chitor 2 6' gauge | 1 3,9 | 6 942 | 50 | 278 | 1,661 | 7,173 | 5 1(8 | 20 078 | 2 | 5 |
| 23 | | Barnset Basiriat | | | | | | | | - | | |
| 20 | | Barst Light | D 601 | 21 099 | 5 | 23 | 52 | 119 | 32,78. | 70 391 | t | |
| 26 | | Pukhtiarpore Fehar I ight | 1 | | | | | | } | 1 | | 1 |
| ,27 | | Cntch | 12 | 41 | 1 | 4 | | | 3 308 | 11 "03 | 1 | 1 |
| .0 | | Kalk., Simla | 216 | 3 290 | 000 | 10,082 | 311 | 3 610 | 3 744 | 41 000 | 1 | 5 |
| 1 | (0) | Mon-bhanj Parlakimedi I ight | | | 11 | 31 | 2 | 3 | 1,060 | 2 007 | | |
| 1 20 | (a) (c) | Pov ayan Light | 2 350 | 0 3.409 | 4 | 1 | 93 1,825 | 70 2,984 | 5 122 | 7 0°6 | | İ |
| 33 | | Tarakeshwar Magra | 2 500 | 1 10 | 170 | 163 | 1,044 | 2,504 | 1 981 | 1 607 | 1 | |
| 33 | | Tezpore Balipara | | | | | | | 612 | 2,831 | | |
| | | 2'0" gauge | | , | | | | | | | | |
| 3ა (| | Darjeeling Hima'ayan | | 9 | 1,151 | 20 935 | 206 | 4,487 | 15 181 | 1,88 560 | | 2 |
| 36 | | Howah Amia | } | | | | | | | | | |
| 37 39 | | 11owrah Sheakluala Jorli it | | | | *** | | | *** | | | |
| এ ড | | | | | | | | | | | | |
| ; | | , Tora 1905 | 2 573 301 | , 46 3≤ 851 | 181 001 | 11 აა 551 | 0.3 75 | 51 35 170 | 9,979 518 | 6 71,*0 8°° | 30 059 | 1,63,100 |
| | | | | | | | | | | | | |
| | | G Tora Pari | 3 617 300 | 3 60 61 220 | 169 658 | 11 45,473 | 4/0 072 | 21 67 308 | 9 430,313 | 018 57,18 0 | 28 530 | 1,47,231 |
| | | _ | | | | | | | | <u> </u> | | |
| | | Ivoueres | | | 13 293 | 10,300 | 493 253 | 20 17 752 | 541 175 | | 1,721 | 15 175 |
| | | Decerase | 10.3 088 | 1 14,29 005 | | | | | | 13 99 510 | | |
| | 1 | DICTIAGE | 1-00,00 | 1 | 1 | <u> </u> | 1 | 1 | 1 | 13 22 518 | | |

DIX 17—continued

earnings thei efrom during the calendar year 1905

and is therefore not the same as the total production]

| | | ` | | | | | ·· |] 3 | .1 | 7 | 11 | T | | | ZIII | · | | Ī. |
|-----------|--------------------|-----------|----------------|------------------|----------------------|------------------|-------------------------|--------------|-----------------|----------------|--|-----------|-----------------|------------------|---------------------------|------------------|---------------------|------------|
| m | DES AN | d skiy | s | | | | | | | | | | | | JUTE | | · | Jun Jun |
| OF CATE | (p) | Dres | a) sed or ped | MALS | other (5) aw | T | OTAL | 110 | īnq | ind oth | (Indian, er fibres loding ite |] | (1) Raw | Gm and | (2) uny bags leloth | To | DTAT | Blain |
| Quantity | Farnings | Quantity | Earnings | Quantify | Earnings | Quantity | Earnings | Quantity | Earnings | Quantity | Earoings | Quantity. | Carnings | Quantity | Lumngs | Quantity | Caroings | head, |
| Tons | Rs | Tons | Ra | Tons | Ps Ps | Tons | R | | <u> </u> | | | | | | i—— | | | |
| 10 390 | 1 12 111 | ł | | 1000 | 13 | 10 350 | 1 12 111 | Tons | Rs | Tons | Ps | Tons | Rs | Tons | Rs | Tons | Rs | |
| 1,607 | 17 565 | 8 | 139 | 3,031 | 51 403 | 4 705 | 5 730 | 4º1 81 | 2 G21 1 37 i | 6 931 1,627 | 16 653 21 211 | 10 131 | 19 825 7 102 | 2, 539 11 276 | 2 G9 1G1 79 830 | J7 073 | 2 85 990 80 0 11 | 1 2 |
| 213 | 1 491 | 3 068 | 10 643 | 59 | 367 | 28 420 | 1 33 787 | 125 | 631 | 15 105 | 11 060 | 7,4 313 | 53 77 7,6 | 20 677 | 67 289 | 791 930 | 51 4° 065 | 3 |
| 27,160 | 4 23 008 07 0°2 | 165 39 | 3 829 6 7 | 16 4a0 12 86a | 2 5 60 1 1 57 607 | 45,4°2 17 006 | 6 03,53° 2 30 641 | 793 | 6 00s | 26 950 | 1 03 351 | 1374 1 | 7 30 °51 | 8 339 | 8 67,074 | 190 763 | 15 07 725 | 4 |
| 5 040 | 41 8aa | 5 619 | 70 772 | 2~8>4 | 2 50 102 | 10 82 | 3 82 052 | 1 500 708 | 22 157 6 575 | 9 606 7 231 | 1,14 818 41 001 | 1,331 | 17 155 897 | 31 730 16 014 | 3 30 C00 1 °5 C28 | 33 181 10 157 | 3 50 '15 | 5 6 |
| 53ა | 4 915 | | , 5 | 287 | 21 649 | 2 83 | 26 697 | 309 | 2 Ga7 | 419 | 3 335 | 113 | 61 | 2 914 | 21,758 | 2 340 | 1 26 525 21 819 | 8 |
| 12,494 | 1 40 490 | 143 | 1 531 | 15 913 | 1 54 134 | -8 638 | 2 36 70, | 337 | 20,9 | 680 | 5 533 | 174 | 1 510 | 18 582 | 3 81 433 | 4970 | 3 65 95 | 9 |
| 0 128 | 4 3 8 | | - | 3 768 | 17 749 | 0 910 | G0, 097 | 465 | 1,73 | 11 052 | 109 22 | 190 | 1 276 | 12344 | 71 703 | 12 549 | 73 076 | 10 |
| 734 | 8 76s | | | 43 | 4 5ა | 782 | ງ າາດ | 13 | 101 | 3,4 | 1 203 | 00 223 | 2 2 761 | 1 003 | 6 202 | 01 2.1 | 2 78 963 | 11 |
| 8,073 | -53 38. | 17 | 132 | 375° | 21 210 | 19 7,3 | 83 009 | 174 | 638 | 1 171 | 4 55 1 | 3 783 | 24 515 | 17 54 | 1 01 139 | 21 378 | 1 75 983 | 12 |
| 148 | 1 030 | 17 | 177 | 453 | 2 673 | 241 631 | 1 3 <i>5</i> 2 3 9/5 | | 40 | | | 12 079 | ● 38 759 | 11 | 18 | 17 (91 | 33 777 | 13 |
| 2 4.6 | 22 460 | 0 | C9 | 38 | 3.9 | 7 G40 | 21141 | 7 | 43 413 | 1 | 4 2° | 14 | 0 215 | 1 701 | 5 G21 G9 708 | 1 701 17 494 | 5 677 70 003 | 11 1 |
| | | | | | | | | | | 2, | 8 | 13 | -10 | 50 | 15 | 17 g-g 53 | 15 | 16 |
| | | | | | | | | | | | | | | | _ | | - | 17 |
| 100 | 2,591 | 1 | 0 | C13 | 6 316 | 810 | 8 050 | 30 | 451 | 70 | 779 | | 4 | 2 862 | 24 625 | 2 952 | 21 823 | 8 |
| 767 72 | C 050 200 | 1 | C S | 1 300 | 8 4 J 9 1 4 J 7 | 2 093 633 | 15 339 | 4 | 20 | 39 | 170 | 19 | 1.5 | 345 | 14 507 | 3 491 | 14 752 | 18 |
| 35 | 110 | • | | 52 | 203 | 87 | 1 803 | 0 | 23 13 | 271 27 | 90ს 103 | | | 515 147 | 1 637 | 5 5 | 1 037 | G 19 |
| 2,647 | 30 678 | 21 | 26 | G 587 | 74 890 | 0 28 1 | 1 00 071 | 49 | 613 | 23/3 | 12 8,3 | 793 | B 233 | 16 972 | 1 11 124 | 147 17 755 | 460 1 17 407 | 2 |
| 1,115 | 5 . 95 | | | 539 | 2 298 | 1 673 | 8 001 | 73 | 360 | 1 9.0 | 8 39 | 3 | 10 | 2 9 2 | 0 632 | 2 327 | 9711 | 20 |
| 3 261 | 21 60 | 1 201 | 20 293 | 5 937 | 38 140 | 11 382 | 01,553 | 21 | 1 640 | 3 610 | 53 3,0 | 41 | 317 | 11 19ა | ნა 420 | 11,730 | ნა 737 | 21 |
| 1,782 | 12 700 | 249 | 1 191 | 90.3 | G1 300 G77 | 11 116 161 | 78 271 | 439 | 3 931 | 2 3 0 | 19 016 | 2 | 26 | 9 010 | 65 132 | 9 012 | ნა 458 | 22 |
| 44 | 158 | | | 135 | 0,7 | 161 | 670 | | 2 | 16 | 67 | 1 | 8 | 150 | 6-8 | 15G | 6 56 | 23 |
| 3 | | | | 99 | 2_9 | 101 | no+ | | | | | _ | | | ~ | | | 24 |
| , | 8 | | | 93 | 2-3 | 101 | 237 | 6 | 1ა | 9 | 27 | 1 | 3 | 1 279 | 2 901 | 1 930 | 2 00 1 | 23 20 |
| . | | | | | | | : | | | | | | | 7 | 10 | 7 | 10 | 27 |
| 5 | 01 | 1 | 21 | 5 | 70 | 12 | 157 | 1 | 28 | 15 | 231 | 1 | 19 | 109 | 1 700 | 109 | 1,725 | 30 |
| | | | | 2 | 5 | 2 | 5 | | | | ļ | | | 32 | 106 | 37 | 108 | 1 |
| 236 | 213 | | | | | 296 | 249 | 1 | 1 | b en | اا | - | " | 10ა | 56 | 105 | 96 | 1 |
| 31 | 78 | | | | | 18. | 78 | | | 763 | 1 111 | 1 110 | 1 366 | 4 | 7 | 1,141 | 1 373 | 20 32 |
| | | | | | | | | | | | | 1 | 2 | | | 1 | 2 | 33 |
| 310 | 3 942 | | | 5 | 70 | 3 7 | 4 01 1 | 6 | 123 | | | 2 | 49 | 203 | 2 2,5 | 207 | 2 303 | 35 |
| | | | | | | | ** | | | | | | | | • | | | 35 |
| | 1 | | - 1 | | | " | | - | | | | | | | | | •• | 37 |
| | | | | | | | | | | | | | | | | | | 39 |
| 91 5°7 | 10 33 122 | 10 633 | 1 15 6.5 | 111 Go0 | 11 16 400 | 217 875 | 24 2~ 612 | 5 C21 | 55 820 | n2 810 | 6 99 953 | 1 077,370 | 04 59 130 | 316 315 | 20 83 974 | 1 343 035 | 91 47 401 | |
| 81 056 | 8 86,10° | 94. | 1 03 910 | 83 962 | 8 22 ,493 | 203 768 | 19 53 726 | 5 200 | 53 66. | 67 1a6 | 4 95,3~< | 1025 103 | 60 96 622 | 314 201 | 27,0- 127 | 1,339,614 | 89,70 749 | |
| 0 541 | 1 47,020 | 1 118 | 11 745 | 27 694 | 2 92 943 | 40 107 | 4 07 56 | 4 1 | 2 161 | 25 Co4 | 1 12 685 | 1897 | 3 61 603 | 2 114 | | 3 0 11 | 3 21 655 | |
| | | | | | | | | | | | | İ | | | 40 1.3 | | | |

MAPPEN

Principal commodities carried by railways and the

[The total quantity of each commodity represents the total weight conveyed over all railways in India

| | | | | | | | | | | | , | | | |
|-----------|--|--|---------------------------------|-------------------------------------|---------------------|-------------|-------------------------------|------------------------|----------------------------|---------------------------------|------------------------------|------------------------------------|--|--------------------------------------|
| D.O. | IMBEL | | 7 | 14 | | | 21 | | | | | | | |
| | 1 | | | | 1 | | LEAT | HER | | | { | | | |
| | | Railway system, vide Appendix I | L | de | (Unwis | 1) ought | W ros exce boots sho | pting and | To | otal | (I Ale be | and | Wine spirite kinds in country | of all eluding |
| Main head | Sub head | | Quantity | Earnings | Qanatity | Earaings | Quentity | Farolngs | Quantity | Eurologs | Quantity | Earning* | Quantily | Barnings |
| | | | Tons | Rs | Tons | Ps | Tens | Rs | Tons | Rs | Tons | Rs | Tons | Rs |
| | (a), (b) & (e) (a) (c) tolf) & (n) & (o) | 5' 6" gauge Beugal Nagpur Bombay Barodn and Central India Eastern Bengal State East Indian | 10 312 64 1 °C7 24 107 | 85 -18 628 7 4°-, 3 78,°8- | 1,215 990 682 | 27 830 | 019 6 1 000 | 15 315 50 35 65° | 145 1 938 6 1 932 | 8,770 20 512 to 65 182 | 760 1 108 104 6 917 | 3 025 14 961 4 103 78 052 | 1 2°5 3 653 1 091 2,507 | 11 493 32,705 16 120 79 153 |
| 5 | | Great Indian Peninsula | 93ა | 101 0 | 9^3 | 14 3°0 | 1,301 | 100. | 2 206 | 547,5 | 9 \$18 | 1,37,133 | 7 601 | 107,7.3 |
| 6 | (a) to (c) | Madras * Nizam s Guaranteed State | 165 | 180 | 1 5 L3 1 1 1 5 G | 10 761 | 2900 | 1 0.6 | 1 228 | 16 450 | 3 219 | 33 582 15 0.2 | 0 03S 312 | 47 013 8,325 |
| 8 | (a) & (b) | North Western State | 21 07. | 15 043 | 2,700 | 40 834 | 1625 | 11 -73 | 135 | 8" 007 | 0,377 | 1 2, 457 | 5 570 | 1 40,274 |
| 10 | | Oudh and Robilshand State 3 Si'gauge | 578 | 3,553 | 9 | 160 | 130 | 1 723 | 159 | 1,332 | 56,6 | 21,011 | 2 571 | 3, 703 |
| n | | Assam Bengal | 619 | 6 911 | 1 | | 1 | 70 | 3 | 70 | 101 | 802 | 1 | 2 031 |
| 12 | | Bengal and North Western | 2 291 | 13 110 | 1,33 | tos | 115 | 1 276 | 278 | 1.81 | 83 | 355 | 1 | 1 1 |
| 13 14 | ļ | Bengal Dooars Bhaynagar Gondal-Junagad Porhandar | 5 24 | 02 | 27. | 1, 92 | ე ე | 267 | 200 | 1 '50 | 40 | 263 | 1 157 | 1 458 |
| 15 | | Burma | 1 237 | 19 030 | 42 | 567 | 6 | 1 428 | 103 | 1,500 | 2 415 | 22 008 | 742 | 11,847 |
| 16 | | Deoghur | 00 | 29 | | | | | | | | | 10 | 3 |
| 17 | 1 | Dibru Sadiya | 1 | | 1 | 1 | Ì | | | 1 | 70 | 000 | } | |
| 8 | (0) | Hyderahad Godavarı Valley | 0 | 119 | 12 | 123 | 57 | 750 | CD | 912 | 3, | 151 | 43 | 497 |
| 18 | | Jodhpur Bikaner | 357 | 1 993 | 117 | 1 270 | 111 | 1 553 | ್ಟಿ | 2 863 | 71 | CC1 | 61 | 797 |
| 6 | (a) to (f) | Madras | | | 3 | 8.₀ | 3 | 11 | C | 96 | 1,000 | 3 8 | 300 | 2 517 |
| 10 | | Moryi | 4 | 13 | | 3 | 23 | 100 | 21 | 103 | 1 | 3 | 3 | 24 |
| 2 | (b) & (g) to (m) | Rajputana Malwa | 485 | 3,911 | 035 | 13 1 11 | 316 | 8 103 | 1 28, | 10 603 | 2 017 | 23 030 | 1 518 | 23 374 |
| 20 | (a) & (b) | Rohilkund and Kumaon | 167 | 849 | 5 | 35 | 7.5 | 197 | 30 | 233 | 1 151 | 6,312 | 176 | 2 2.0 |
| 21 | 1 | South Iudian | 203 | 1 239 | 12 | 39 | 13 | 1 3 | 25 | 212 | 633 | 2 159 | 3 461 | 25,604 |
| 22 | 1 | S inthern Mahrntta | 62 | 871 | 9 9 | 9 303 | 161 | 1,310 | 1,150 | 1 | 1 307 | 11 393 | 2 910 | 1 1 |
| 23 | - 1 | Udaiphr Chitor | 1 | ٥ | 17 | 07 | 10 | 70 | 27 | 172 | 1 | 21 | 8 | - წა |
| | - | 2 6" gauge Baraset Basirhat | | | l | | ĺ | | | 1 | İ | | ĺ | |
| 25 | 1 | Barsı Light | | | l | 1 | 5 | 10 | 5 | 20 | ł | | 5 | 15 |
| 20 | i | Bukhtiarpore-Behar Light | " | | | | | 1 | | | | 1 | | |
| 27 | | Catch | 1 | 1 | 8 | 30 |] | | 8 | 30 | l | 1 | | |
| 30 | j | Kalka Sımla |] | 10 | G | 118 | 21 | 512 | 27 | cco | 1,703 | 10 706 | 142 | 2793 |
| 1 | (0) | Mourbhanj | | | 1 | | 1 | | | | ĺ | 1 | 1 | 1 1 |
| 1 | (a) | Parlakimedi Light | | | 1 | | | 1 | | 1 | 1 | 2 | 70 | 51 |
| 20 32 | (c) | Powayan Light Tarakeshwar Magra | | | 1 | | | | | | - | | | |
| 33 | ļ | Tezpore Balipara | 1 | 1 | " | | | | | | | | 23 | lal |
| | | 2 O" gauge | | | | | | Ì | _ | · " | } " | | - | " |
| 35 | | Darjieling Himalayan | 1 | 32 | د | 40 | 4 | 121 | C | 170 | 723 | C,517 | 167 | 51'2 |
| 36 | ` | Howrah Amta | | | | | | 1 | | | | | | |
| 37 | | Howrah Shealhala | | | | | | | | | | | | 1 |
| 38 | 1 | Jorhat | | | | | - | | | | | | | |
| | | Total 1905 | 41,110 | 6 5° 43 0 | 11 933 | 17) 5_0 | 9 231 | 1 01 54, | 21 170 | 3 62 0GJ | 51 171 | 5 24 7 3 | 41 081 | 5 8" "35 |
| | ļ | € , Total 190\$ | 41,612 | 4 4 > 208 | 10 933 | 1,~3 350 | 5 497 | 1 0° 732 | 16 190 | 27602 | 62 150 | 5 00 400 | 36 GG3 | 5 50 50G |
| | - { | Inchesse 🐎 | 2 5 2 5 | 07 720 | 053 | | 3 737 | 88 813 | 1 600 | 8ა წმ 3 | | 15 *21 | 4 118 | 80,630 |
| | | Decrease | | | | 2 830 | | | | | 979 | | | |

DIX 17-continued.

ri.

earnings therefrom during the calendar year 1905

and is therefore not the same as the total production]

| IVI | | | | | | | | | XVII- | -(contd e | n follow | ing page) | | | | | | Number |
|-------------------------------|----------------------------|------------------|------------------------|-------------------|-----------------|------------------|------------------|------------|--------------------|-------------|-----------------|--------------|-----------------|----------------|------------------|------------------|----------------------|------------------|
| JQUOR | S | | | | | | | | | ME | Tals | | <u>-</u> | | • | | | |
| includir and fer liquor | g toddy mented other | Tc | tn] | (I Br nnwre | 288 | (2 Br wrot | aes | Cop | 3) Per Dught | Cop wron | per, | | | A VO21 | | Ī | (c) | |
| than a | ole and | | , | - | | | | | | | | Ca | st | Unwi | onght | Wr | ought | Main hea |
| Quantily | Uarniugs | Quantity | Farnings | Quantity | Earnings | Quantity | Carologs | Quantity | Carnings | Quantity | Larnings | Quantity | Errologs | Quantity | Errníngs | Quantity | Earnings | |
| one | Ps | Tons | Гg | Tons | Rs | Tons | Гъ | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Rs | |
| 412 | 2 547 | .,995 5 293 | 14 5°3 50 303 | 7'801 | 25 079 | 1 969 791 | 21 477 ° | 824 | 11,4°7 | 330 490 | 3 310 6 735 | 559 1 676 | 7,064 22 091 | 619 | 6 240 | 20,747 25,197 | 1 20,180 2 77 413 | 1 2 |
| | | 1 4º5 | 10 319 | 317 | 3 148 | 2 122 | 21 505 | 261 | 1,400 | 1,076 | 4345 | 601 | _ 1,371 | 245 | 658 | 31 161 | 1 83,603 | 3 |
| გა6 | 2 493 | 9 8 10 | 1 59 718 | 1,2.0 | 18 783 | 7 671 | 81 469 | 113 | 12 106 | 822 | 10 °3G | 20 861 | 1 70 314 | G\$ 759 | 1,12 153 | 67 560 | 5 82 751 | 4 |
| 3 303 | 571 د58 11 | 17 855 12 660 | 2 45 457 02 209 | 9 027 663 | 76 0.1 6 211 | 2 634 1 611 | 5°,577 16 597 | 1 300 | 22 077 | 1701 | 32 736 | 2841 | 45,699 | 12 608 | 1,89 699 | 49 304 | 7 81 143 | 5 e |
| 1,9*0 | 8 500 | 3 953 | 29 798 | 125 | 913 | 310 | 3 603 | 223 | 1 017 | 2°9 86 | 2 206 983 | 876 240 | 3,021 2 488 | 1,085 2 601 | 17,123 19,5∡1 | 20 008 1,899 | 1 71,322 | 6 8 |
| 410 | G 395 | | 2 60 176 | 9.0 | 8 337 | 2 181 | 93,218 | 283 | 3,907 | 1 214 | 18 068 | 1 207 | 18 514 | 3,436 | 11 595 | 4, 233 | 7,16 781 | 9 |
| | | 8 2،0 | 67,637 | 239 | 1 214 | 3 G13 | 21 807 | 22 | 193 | 326 | 2 109 | 1,230 | 6 699 | 0 | 11 | 13 056 | 73,892 | 10 |
| | | 307 | 2 693 | | | 243 | 2 0.7 | | | 7 | 39 | 81 | 459 | 17 | 86 | 2 778 | 24,122 | 11 |
| l | ļ | 295 | 3,0g1 8 | 100 | 1,213 | 1 725 3 | 13 906 | 5 | 31 | 136 | 1775 | 903 | r 591 | 407 | 2,109 | 7 855 | 44 729 8 229 | 12 13 |
| | | 197 | 17əl | 200 | 68a | 292 | 1,727 | 80 | 374 | 97 | 70G | 2,3 | 1 010 | 236 | 1,132 | 1003 | 6 231 | 15 |
| 2 | 1G | 3,153 | 31771 | 53 | 869 | 257 | 3 102 | 18 | 226 | 87 | 1,187 | 305 | 3,070 | 86 | 401 | G,453 | 54,702 | 15 |
| | } | 19 | 3 | 10 | 3 | 2ა | 7 | | | | ļ | 160 | 47 | 100 | 92 | 50 | 14 | 16 |
| | | 70 | 9.5 | | 1 | | | | | | | 2 396 | 20 315 | | | | | . 17 |
| 789 | 4 47 1 | 807 1.3 | 5,112 1 6 91 | 22 15 | 109 | 190 176 | 2 402 | 7 | 12 79 | 18 67 | 240 469 | 79 19 | 091 130 | 764 217 | 7,927 965 | 2 743 | 21 0.8 11 680 | 8 18 |
| 83 | 427 | 1 397 | G 039 | 1 | 2 | 26 | 125 | 4 | 20 | 23 | 121 | 27 | 213 | 82 | 167 | 1 436 | 0,638 | 6 |
| 19 | 131 | 23 | 158 | 1 | 4 | 22 | 120 | | | 9 | 39 | 91 | 331 | | | 293 | 1,3'0 | 19 |
| 83 | 46 | 4 519 | 47,790 | 2 086 | 45,071 | 2 063 | 27 412 | 851 | 19 537 | 479 | 5,420 | 1 103 | 14 409 | 1,345 | 7 002 | 20 142 | 2 03,866 | 2 |
| 721 | 3 ±G3 | 1,327 | 8 571 31 361 | 75 1 017 | 318 | 317 9°7 | 1 866 10 219 | 4 | 16 | 68 | 991 | 239 | 793 | 78 | 356 | 3 037 | 15,907 | 20 |
| 6,348 | 26 053 | 10,656 | 59 383 | 293 | 7 7 17 3,521 | 1,174 | 11,836 | 133 274 | 1,105 3 540 | 108 639 | 1 912 6 322 | 202 770 | 4 251 6 410 | 2,310 5 930 | 12 569 34 450 | 9 453 6 866 | 75 869 63 590 | 21 22 |
| | | 9 | 100 | 1 | 10 | 10 | 139 | | 3 | 4 | 25 | 2 | G | 9 | 54 | 206 | 1,169 | 23 |
| | | _ | | | | - | -00 | | | | | | | | | | | 24 |
| Ì | | 5 | 15 | 4 | 9 | 41 | 1°3 | 2 | 5 | 35 | 96 | 1 | 3 | 143 | 334 | 832 | 1 939 | 25 26 |
| | | | | 1 | 3 | 1 | 3 | | | | | 45 | 130 | | | " | 1 | 27 |
| 7 | 203 | 1 8,2 | 13 702 | 3 | 56 | 26 | 410 | | 2 | 5 | 101 | 108 | 3 420 | 129 | 2 118 | 590 | 9 814 | 90 |
| 4 | 13 | 4 | 14 | | | 3 | 8 | | | į | δ | 1 | 2 | | İ | 18 | 43 | 1 |
| | | 71 | 63 | | } | 6 | G | | | 1 | 1 | 8 | 42 | | | 02 | 70 | 1 |
| Ì | | | | | } | 11 | 21 | | | | | 214 | 302 | | | | | 2) 32 |
| | | 23 | 151 | | | | • | 40 | 351 | | | | | | | | | 33 |
| | | 505 | 11,6°0 | | | 41 | 963 | | | 18 | 409 | 84 | 749 | | | 440 | 0 415 | 95 |
| | | | | | . | | | | | | ••• | | | | | | | 3 <i>6</i> 97 |
| | | | *** | | | | | | | | | | | !——— | | | | 33 |
| 14,661 | 87 201 | 106,913 | 11 79 252 | 13,401 | 2,00 %4 | 30 808 | 3,42,141 | 4 552 | 70,156 | 8 008 | 1,08,511 | 37 439 | 3,40,295 | 90,406 | 1 27,359 | 836 860 | 34 93,404 | |
| 19,691 | G3 731 | 102,491 | 11 29,3°¢ | 14 376 | 2 21,810 | 29 513 | 3 % 234 | 6 °55 | 1,08 725 | G 562 | 99,495 | 34,314 | 3 51 110 | 69,321 | 4,51,591 | 301 455 | 93,15 327 | |
| 980 | 4 003 | 4 419 | 49 926 | | | 1,295 | 17,010 | | | 1,116 | D 940 | 3 004 | | 27,9.5 | | 30,405 | 1,78,077 | * |
| | | | \ | 975 | 21 550 | | | 1 703 | 36,579 | <u></u> | | | 10 815 | | 21 202 | | | 1 |

APPEN

Principal commodities carried by railways and

[The total quantity of each commodity repre ents the total weight conveyed over all railways in India

| | MB HB | | | | x | V1f | | | | | | yain | | | | |
|-----------|-------------------------------------|--|------------------|---------------------|------------------|---------------------|---------------------------|-----------------------|------------------|----------------------|----------------|----------------|----------------|---------------|----------------|------------------|
| | MINE. | | | 1 | Irtale- | concluded | | | | | | OIIs | | · | | |
| | | Railway system <i>vide</i> Appendix 1 | Iron a | | | 6) | To | tal | | oaine | | 2) stor | (3) Cocoa | 1 | Mustri rap | rd and |
| Main head | Snb head | | Quantity | Carnings | Quantity | Larnings | Quantity | Carnings | Quantity | Farnîngs | Quantity | ramps | Quantity | Larnings | Quantity | l arnings |
| | | 5' 6" gauge | Tons | Rs | Tons | Гв | Ton. | Rq | Tons | Rs | Tons | Rs | Tons | Rs | EaoT | R ₅ |
| 1 | $\stackrel{(a),\ (b)}{\&}$ | Bengal Nagpur | 3,503 | 45 787 | 239 027 | 3 11 101 | 271 271 | 5 17 77 | 27,872 | 271311 | \$ 191 | 21 473 | 1,399 | 19 011 | | |
| | (a) (c) to (f) & (n) & (o) | Bombay Baroda and Central India. | 14 °61 | 2 09 910 | 33 417 | 1,61 3.0 | 79 162 | 7,31,7º3 | 15 723 | 1 65 365 | 1,177 | 13 112 | 207 | 10 700 | 393 | 4 00° |
| 3 | | Eastern Bengal Stato | 11 217 | 52 557 | 4,782 | 27 626 | 67,063 | | 11. 319 | 3 12 607 | 63 | 632 | 1 256 | 9 317 | £ 900 | 20,508 |
| 4 | | East Indian | 18 8 17 | 9 18 012 | 0 769 | 1 42 093 | 17869 | 13 51 114 | 83 "51 | 7 09 000 | 2 320 1 ~6, | 19 72 | 3 0.8 | 16 700 | 6 t46 | 73 026 |
| 6 | (a) to | Great Indian Penmsula Madras | 11 678 11,763 | 3 23,671 | 170 031 2 035 | 13 14 134 70 335 | 259 8 0 39 7 02 | 29 45 910 3 49 715 | 55 993 31 °63 | 7,69 921 2 17 8CJ | 4 490 | 18 010 | 2,991 4 6,7 | 42 633 | 51 16 | 605 101 |
| - | (a) to | | · | | | | | | | | | | | | | |
| 8 | (a) & (b) | Mizam s Gnaranteed State | 91.1 | 11 40 | 750 | 8,569 | 7 299 | ~0 500 | ₹ 6°0 | 3,,76 | 103 | 1 629 | 239 | 2 000 | 6 | 92 |
| 10 | | North Western State Onth and Pohilkhand State 3'8\$' gauge | 16,219 3 °60 | 3 31 17 i 2° 211 | 5 701 817 | 63,152 1 677 | 71,669 23 501 | 12 °7 816 1,35 831 | 19316 10870 | 3 59,310 63,5°7 | 021 2^3 | 5,°91 1 013 | 1 069 15a | 15,500 950 | 3 °07 1 479 | 20 616 12 753 |
| 11 | | A sam Bengal | 1,650 | 17 569 | 1 3,6 | 13,157 | C 185 | 57 469 | 15 "01 | 49 330 | 40 | 327 | 91 | 703 | 1 033 | 9 51 |
| 13 | | Bengal and North Western | 53,8 | 35 815 | 2701 | 21 739 | 19 333 | 1 % 000 | 23 589 | 1 00 193 | 362 | 2 234 | 202 | 1 586 | 763 | 4 6 11 |
| 13 | İ | Bengal Dooars | 151 | 1,106 | 160 | 3 7 5 7 | 1 418 | 13 0,2 | 2019 | 8 250 | 0 | 5 | 2 | 8 | 297 | 1 700 |
| 14 | | Bhavn-gar Goudal Junagad Por nadar | 663 | 4 033 | 219 | 1,201 | 3,1∿ | 17 73* | 3,003 | 11 706 | 132 | 6°5 | 161 | 521 | 115 | 234 |
| 15 | | Burma | 8 °33 | 90 8¢0 | 231 | 2 256 | 15 713 | 1 57 03° | 8 172 | 70,221 | 90 | 1 551 | ธาร | 803 | 16 | 273 |
| 16 | | Deoghnr Dibus Sadage | | | | | 33ა | 103 | 125 | 89 | 13 | 3 | 5 | 3 | 8 | 3 |
| 17 8 | (c) | Dibru Sadıya Hyderahad Godayarı Valloy | 369 | 4 167 | 820 183 | 7,111 2 814 | 3 *25 3,435 | 27 426 49 170 | 7,°13 1 3°8 | 19 20 | 50 | 59> | 139 | 14.8 | 2 | |
| 18 | `` | Jodhpur Bikauer | 500 | 4 673 | 371 | 2 803 | 4 189 | 25 °81 | Bto | 4 922 | 218 | 1 520 | 40 | 204 | 161 | 740 |
| 6 | (d) to (f) | Madras | 367 | 2 .34 | 67 | 6,7 | 2 022 | 10 760 | 1 767 | 4 324 | 21 | 52 | 790 | 2 510 | | |
| 19 | 0, | Moryı | 128 | 502 | 89 | 199 | 5 56 | 2 631 | 181 | \$a1 | 10 | 22 | 12 | 46 | 18 | |
| 2 | (b) & (g) to (m) | Rajputana Malwa | 4,796 | 71,110 | 34,091 | 8, 370 | 66 963 | 4 75 157 | 9,212 | 77 835 | | 7 333 | 461 | 8511 | 200 | 3 3 9 |
| 20 | (a) & (b) | Rohilkund and Knmaon | 191 | 1 3°5 | 249 | 1 166 | 1 296 | 2°,130 | 2136 | 6,615 | 50 | 1-3 | 6 | 28 | 112 | 818 |
| 21 | | South Indian | 6 805 | 75 5.7 | 1 471 | 13 917 | 22 661 | 2 02,035 | 2, 0,6 | 1 42 517 | 3 370 | 22,003 | 1 ^31 | 6 679 | 411 | 1 611 |
| 23 23 | | Sonthern Mahratta | 4 317 | 49 147 | ō 475 | 37 130 | 21 728 | 2 01,9~6 | °7 CO3 | 1 70 676 | E03 | 6 599 | 1 623 | 10 003 | | |
| 23 | | Udaipur Chitor 2' 6" gauge | 26 | 173 | 45 | 234 | 311 | 1 80u | 159 | 1 023 | 6 | 22 | 6 | 24 | | 1 |
| 21 | _ | Baraset Basırhat | | | | | | | | | | | İ | | | |
| 25 | | Barsı Light | 117 | 313 | 19 | 56 | 1,197 | 2,958 | 40 | 916 | 3 | 11 | 92 | 251 | " | |
| 28 | | Bukhtiarpore-Behar Light | İ | ì | | | | | | | | | | | | - |
| 27 30 | | Catch Kalka Simla | | | | | 47 | 135 | 5 | 15 | | | 6 | 11 | | |
| 1 | (c) | Malka Simia Mourbhanj | 192 5 | 3 913 22 | F8 | 2,107 | 1 221 | 21,941 | 439 | 6,233 | 3 | 43 | 1 | 31 | 3 | 48 |
| 1 | (d) | Parlakımedı Lıght | 1 | 22 | 3 | G 14 | 28 119 | 86 135 | 200 | 46 116 | 1 | , | 2 | 3 | | ' |
| 20 | (c) | Powayan Light | | [| l | 13 | 211 | 362 | •00 | | | ' | 1 | 3 | | |
| 32 | | Tarakeshwar Magra | 9 | 15 | | | 20 | 39 | 33 | 52 | | } | | 1 | 181 | 211 |
| 33 | | Tezpore Balipara | | | | | 49 | 301 | - | \ | | | | | | |
| 35 | | 2' 0" gauge Darjeeling Himalayan | 5°3 | 70.000 | | | | | | | 1 | | | 1 | | |
| 36 | | Howrah Amta | U-3 | 10 363 | 160 | 3 783 | 1,225 | 2, 691 | 812 | 12 375 | 6 | 71 | 1 | 62 | 413 | 6 051 |
| 37 | | Howrah Sheakhala | | | |] | | | 1 | | | 1 | _ | - | | |
| 38 | | Jorhat | C | Bet | | | | (| | | - | | - | | . | |
| | * | TOTAL 1900 | 179,299 | 17,07,390 | 512 001 | 22,75 979 | 1 168 779 | 89 G. 50E | 537 326 | 37 53 190 | 10.503 | 1,41 9,0 | 29 0 9 | 3 04 400 | 21 641 | 1 87 769 |
| | | Total 1901 | 112 312 | 14 10 766 | 205 613 | | 869 781 | 77 18 846 | 506 G63 | 3, 42 021 | | 1 84 143 | 16 420 | 1 59 7 6 | 16 6 35 | 1 39 029 |
| - 1 | | Incubase | 16 086 | 2 93 624 | 216 358 | 8,38,151 | ~ 93 9 71 | 19 40 659 | 30 G63 | 2 11 109 | | 6 0% | 4 203 | 10,213 | 5 190 | 49 ~10 |
| | | Decrease . | | | | | | | | | 813 | | | 1 | | - |

DIX 17—continued

the earnings therefrom during the calendar year 1905

and is therefore not the same as the total production]

| | | | | | | | ZIZ-(| continue | I on follo | wing by | ;e) | | | ··· | | | | NUMBER |
|------------------------------------|-------------------------------------|--------------------------------|---|-------------------|------------------------|------------------------|-----------------------------|-------------------------------------|--|-------------------|-----------------------------|------------------------------|--|-----------------------------------|---|--------------------|---|----------------|
| | | | | | | | | 0 | IL SERDS | | | | | | | | | NON |
| | (o) hers | т | otal | 1 . | (1) astor | 1 | (2) hnnts | 1 | 3) seed | 1 | (1) PPY | 1 | (5) d mustard | ļ. | (6) Jinjili | 1 | (7) on seed | |
| Quantity | Earnings | Quantity | Earnings | Quantity | Earniugs | Quantity | Earnings | Quantity | Larnings | Quantity | Larnings | Quantity | Farnings | Quantity | Larnings | Quantity | Earnings | Main head |
| Tons 2 030 | Rs 19 851 | Tons 31 192 | Rs 3 °1 CS2 | Tons | Ps | Tons | Rs | Tons 21,301 | 11 ₃ 2 07 593 | Tona | Rs | Tons 9 201 | Rs 75,952 | Tons 22 720 | Rs 1,95 090 | Tons | Ifa | 1 |
| 4 541 | 49 691 | 22 011 | 3 40 967 | 21 762 | 7,03 291 | 1,010 | 15,416 | 8 14G | 81,278 | 8 2 1 1 | 57,332 | 20,010 | 1,61,100 | 27 614 | 2,13 105 | - | | 2 |
| 1 126 3 300 20, 85 10,676 | 2,716 13 907 22 800 61,016 | 102 075 81 030 | 3 65 050 9 67 650 10 67 510 3 40 811 | 30 332 14 010 | l | 175 11,007 8 1°2 | 1 0.0 1,31,281 13 0.7 | 17,919 101,170 151,753 418 | 59 129 7 57 112 17,73 016 1,570 | Í | 2,70 G65 1 62 S62 412 | 35,031 130 259 16 137 | 1 19 692 10 60 819 1 89,166 4 899 | 827 15 213 80 000 25 926 | 2 705 1 10 520 9 18 599 1,12,133 | 44 CO1 186,3 6 | 2 13 03 ₀ 19 8 ₀ 5.3 | 3 4 5 |
| 533 | 1,031 | 5 535 | 11 037 | 1 | 2 12 201 | 53 | 973 | 9000 | 21,431 | 123 | GoG | 156 | 710 | 18 583 | 1 10 605 | 5 622 | 23,201 | 8 |
| წ,13ვ ლა | 49 991 1 523 | 29 171 10,452 | 1 69 70 1 1 C2,796 | ı | 5 0 10 18 102 | 329 69 | 4 079 417 | 2,163 5 001 | 10,681 21,607 | 531 14012 | 3 02 63 577 | 50 117 9 223 | 3 93 °03 39 73 J | 18 930 4 191 | 1 49 5°3 17,006 | E9 000 | 4 31,210 | 9 |
| 191 304 6 | 1,4 9 2 3.0 2 | 2 310 | 61 493 1 11 2.5 9 °05 | 11 4 780 | 25 14 392 | 4 50 | 10 18G | | 101 1 61,717 | 5 7,097 | 14 37 107 | 2,774 39 139 1 739 | 10 00° 2 02 848 5,191 | 1 3.0 309 | 3,881 1 312 | ົນ | 78 | 11 12 13 |
| 711 0,416 80 | 3,228 81,701 | 1 65 19 418 230 7,213 | 16 110 1 75 895 71 18 270 | 2 7e6 15 30 | 102 | 1 500 | 1 973 10 1 G | 6 10 | 39 39 | 280 2 8 | 739 85 3 | 6°1 8 20 | 4 \$85 77 10 | 4 015 G 293 4 | 3°,819 2 | | | 14 15 16 |
| 2,304 770 832 | 24 727 4 586 2 0°9 | 3,8,2 2,009 2,953 | 3°,086 12 272 8 045 | 34 | 1,039 1 | 101 31 56 | 768 198 193 | 33 060 | 2,28,70, 7 | 49 3 | 203 12 | 209 2 689 2 | 1,619 12 100 5 | 2 597 8,972 496 | 21,003 34 420 813 | 23 114 | 1,49 9.9 | 17 8 18 |
| 131 | 511 21 616 | 3.2 | 1 182 | | 43 695 | 8 | 30 | 7 040 | 13 307 | 1 10,3°9 | 1 81 371 | 91,603 | | 1,43a 20,0 0 | 2 998 | 1,212 | 2 200 | 19 |
| 63 | 5\$1 | 2,301 | 6 °0. | 2,6ა9 | G 45G | 18 | 101 | 1 200 | 2 362 | 1,705 | 2 409 | 4 786 | 10,007 | 711 | 1 8Co | | | 20 |
| 11,603 7 491 12 | 49 601 55 °71 5° | 31 6_0 37,178 212 | ° 19 249 °,43 3 2 1 12. | 4 130 6 2°7 | 25 312 33 372 | 09 491 3,3,7 9 | 1 19 592 19 299 67 | 8 403 22 | 21 57,749 57 | 21 46° 483 | 142 1570 097 | 1 018 693 | 5 730 3 9°0 | 25 052 15,083 209 | 1 54 090 07,161 657 | 20 771 | 1,32 768 | 21 22 23 |
| 620 | 2 183 | 1 33. | - 3,430 | 309 | 691 | 2 212 | 5 007 | 1 4 501 | 31,964 | 11 | 34 | 3.1 | E03 | 079 | 2 100 | 2 419 | 5 163 | 24 25 26 |
| 29 1 | 633 i | 10 474 15 | 6 0 5 3 6 0 6 0 | 45 | 11 | • | | 3 | 17 8 | | | 9 | 4. | 11 | 30 5 2 | g | 107 | 2) 30 1 |
| 0 | 7 | 221 | 127 293 | 3 | 3 | | | 3 | 2 | | | 20 231 10 ₀ | 907 256 | 160 | 102 | , | | 20 92 |
| 30 81 | 251 1 1 431 | 1 3/8 | 251 20 310 | | | | | 1 | 20 | | | 3 | 49 | | 3 | | | 33 35 |
| | | | | ч | | | | | | | | |) | | | • | | 36 37 39 |
| 75,058 | 7,19 615 8 36 °ir | | | | 10,1°,96° 14 20 004 | | | | | 06 693 137,092 | | 357,120 550 619 | °1 03 237 11 40 621 | 303,836 406 °81 | 23 61 008 31,97 489 | 3°0 0°7 209 564 | °0 41,004 20 60 310 | |
| 11,200 | 1,82 600 | CU 403 | . 03 078 | 65,015 | 1 07,0 13 | 28,563 | | 417,726 | 31,85,806 | 40,391 | 3 73,320 | 190,400 | 19 17,384 | 07,415 | 8 20,481 | 110 463 | 8 81 594 | 1 |

APPEN

Principal commodities carried by railways and

[The total quantity of each commodity represents the total weight coursed over all milways in India

| / Ni | CADEE | | | | | e cotat dua | | | ZZ | | | | | 7211 |
|-----------|--|--|------------------|--------------------|-------------------|-------------------------|-------------|-----------------|-----------------|------------------|-----------------|---------------------|--------------|---------------|
| | | | | Oir erede— | -concluded | [| | | | | | | | Provi |
| | | Railray system ende Appendix I | (8 Othe | , | Tot | al | Opit | ım | Paper an bo: | d paste ard | Oried fr nu |) uits and is | (2 Gb | oc |
| Main bead | Sub head | | Qaantity | Errologs | Quantity | Eamings | Qnıntity | Datulugs | Quantity | Earnings | Quantity | Earnings | Quantity | Darnings |
| | | / 5' 6" gauge | Tons | R_3 | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Rs |
| 1 | (a) (b) | Bengal Vagpur | 16 142 | 73 46. | 69 367 | 5 52 1 08 | 72 | 2 118 | 1 217 | 19 542 | 10 313 | 78 3°1 | 3 854 | 47,861 |
| 2 | (a) (b) & (e) (a) (c) to (f) & (n) & (o) | Bombay Buroda and Central India | 7,391 | 62 76° | 99 039 | 7,90 370 | 1,423 | 59 , 546 | 2 298 | 35,146 | 29 256 | 2 22,243 | 5 771 | 71,805 |
| 3 | | Eastern Bengal State | 653 | 2 668 | 55 84° | 181970 | D | 82 | 7,690 | 9 268 | 42a | 1 923 | 669 | 5 040 |
| 4 | | Fast Indian | 9 497 | 63 013 | 372 430 | 26,67,697 | 8 697 | 2 07,591 | 10,220 | 1,76 037 | 0 401 | 198 88 | 18,849 | 3 93,719 |
| 5 | | Great Indiau Penmsula | 28 252 | 2 56 271 | 503 407 | 55 33 040 | E03 | 21401 | 3 110 | 50 794 | 39 675 | 0,°0 881 | 11 115 | 1 84,775 |
| G | (a) to (c) | Madras | 00 981 | 3 42 758 | 128 802 | 5 78 863 | 109 | 1,953 | 1,280 | 17,107 | 12,377 | 4,704 | 5,304 | 50 150 |
| 8 | (a) & (b) | Aizam's Guaranteed State | 4 3.0 | 13 007 | 83 495 | 4 12,310 | 40 | 1 589 | 674 | 7 935 | 10,977 | 67 990 | C71 | 7 995 |
| 10 | | North Western State Ondh and Robilkhand State | 69 122 18 163 | 8 49 290 76 318 | 231 4aa 50,5°a | 18,61 °61 2 37 452 | 71 1 477 | 957 33 499 | 3 430 2,410 | 57 128 14 4°0 | 23 830 1,064 | 4 16 018 | 11 303 | 1,00 602 |
| 10 | * | 3 31" gauge | | | | 2 37 452 | | 33 455 | | | | 16,849 | J 219 | 18 031 |
| 11 | | Arsam Bengal | 22 | 160 | 4 638 | 14 971 | 1 | 18 | 114 | 5°5 | 860 | 5,808 | 223 | 1 907 |
| 12 | • | Bengal and North Western | 7 861 | 35 726 | 95 177 | 4 43 109 | 7 531 | 1,02,405 | 3 230 | 8 140 | 1,262 | 15,554 | 3 691 | 37 939 |
| 13 14 | | Bengal Dooars Bhaynagar Gondal Junagad Porhandar | 15 835 | 49 405 | 1,799 21 375 | 5 191 77 248 | 11 | 188 | 199 | 1,167 | 2 450 | 19 562 | 1,632 | 11 434 |
| 15 | | Burma | 1 | 67 | 7 691 | 43 654 | 23 | 411 | 576 | 8,164 | 992 | 7,780 | 1 933 | 14 763 |
| 19 | | Deoghur | 40 | 12 | 122 | 49 | | | | , | | | 49 | 12 |
| 17 | | Dibru Sadiya | | | | | | | | | G85 | 5 902 | | |
| 8 | (0) | Nyderabad Godaran Valley | 5 108 | 37 590 | C6 13° | 4 36 053 | 13 | 708 | 216 | 2 797 | 1,952 | 21 215 | 590 | 7,143 |
| 18 | | Jodhpur Bikaner | 12 910 | 47 240 | 21 014 | 93 933 | 68 | 472 | 83 | 734 | 2 089 | 12 493 | 6 113 | 51,93ა |
| c | (3) to (f) | Madras | 1,783 | 3 506 | 2 3 1 1 | 4 579 | 35 | 56 | 48 | 278 | Gə | 223 | 205 | 841 |
| 19 | | Morvi | 127 | 265 | 2 783 | ნ 392 | Đ | 71 | . Eg | 319 | 105 | 368 | 63 | 211 |
| 2 | (b) & (g) 10 (m) | Rajputana Malwa | 7,897 | 10001 | 103,041 | 5 72 071 | 2 477 | 49 490 | 1,815 | 30 560 | 13 991 | 1,72 8°4 | 9 529 | 1,02,493 |
| 29 21 | (a) & (b) | Pohilkund and Kumaon | 57 3 519 | 172 | 11 031 | 20 42a | 18° | 1 644 | 115 | 495 | 168 | 1,288 | 219 | 1,125 |
| 22 | | South Indian Southern Mahratta | 8 187 | 1°,530 33 719 | 133 439 69 188 | 3 47 4°9 3 81 073 | | 15 | 707 | 9,108 | 478 29 615 | 3 360 | 1 215 | 9 835 |
| 23 | | Udaiphr Chilor | 211 | 933 | 933 | 2 711 | 120 | 757 | 38 | 254 | 456 | 2 12 327 2 365 | 5 188 149 | 30 233 771 |
| 21 | | 2' 6' gauge Baraset Basirhat | | | | | | | | | | | | |
| 2ა | | Bar 1 Light | 1 620 | 3 003 | 2° 681 | 49 119 | | | 40 | 119 | 5.0 | 1 490 | 59 | 184 |
| 26 | | Bukhtiarpore Behar Light | | | | | | | } | | | j | | |
| 27 | | Cutch | | | БG | RC | | | 4 | 12 | 321 | 1,132 | 5 | 14 |
| 30 | | Kalla Simla , | 15 | 263 | 20 | 402 | 7 | 183 | 209 | 7 775 | 46 | 845 | 50 | 785 |
| 1 | (c) | Monrbhanj | 289 | D19 | 300 | 1001 | | | 12 | 51 | 1 | 5 | σ | 15 |
| 1 | (ď) | Parlakımedi Light - | 80 | 82 | 290 | 211 | | | 1 | 4 | 8 | 6 | l | |
| 20 | (e) | I owayan Light | | | 231 | 367 | |) | | | | 1 | 1 | - 1 |
| 32 33 | | Tarakeshwar Vagra Tezpore-Balipara | 7 | 51 | 195 7 | 2.6 51 | | } | 8 | 8 | | 1 | 20 | 3ა |
| 33 | | 2 O'gauge | (| 51 | 1 ' | 2-1 | | \ | 1 1 | | | | 23 | 149 |
| 30 | | Darjeeling Himaloyan | | | 3 | 71 | | 8 | 190 | 2,700 | 31 | 663 | 19 | 354 |
| 36 | | Horrib Amts | | | ۱ | " | | . ° | ! " | 2,100 | 31 | 1 003 | 110 | 354 |
| 37 | | Howah Sheakhala | | | | ا . ا | " | | ' | | | 1 | | |
| 33 | | Jo hat | | | - | | | | | | | | | |
| | | Total 1905 | 2,9018 | 0 05 923 | 2,169,716 | 1,53 56 551 | 22,691 | 4 72 170 | 12,004 | £ 00,638 | 182 666 | 20 57,516 | 93 904 | 11,01,2.1 |
| | | Total 1904 | 206 675 | 20 80 3~0 | 2 925,732 | 2 12,74 643 | 24,193 | 5,21,3.3 | 44 101 | 5,17,180 | 103,561 | 21,65 57 | | 12,23,920 |
| | | Increase | 13 003 | | | | | | | | | | | |
| | 18 | | | | | 50.37 = 5 | 7 040 | 40.00 | | | | 1 02 073 | | |
| | 1 | Decrease | - | 73 457 | 200 010 | 59 17 059 | 1 909 | 40 174 | 2 100 | 10,492 | 10 605 | 1,09,011 | 4 633 | 32 678 |

DIX 17—continued.

the earnings therefrom during the calendar year 1905

and is therefore not the same as the total production]

| | | | | | | | | | XX | 111 | | | | | | x | KIV | |
|-------------------|--------------------|-----------------|--------------------|----------|---|----------|------------------------------|----------|-------------------------|----------------------------|----------------|------------|------------|----------------|-------------------|-------------------|----------------------|---|
| IONE | | | | | RAILWA | Y PLANT | AND ROLI | ING-810 | CK CARRI | ED FOR T | AR PUNL | IC AND Y | OREIGN R | AILWAYS | |] | | |
| | (3) | | | • | π) | 1 | 3) | | | Mate. | 9) +1a7s | | | | | s | ult. | |
| 0 | thers | | Cotal | tende | motive nes and ers and thereof | i track | ges and is und thereof | Steel r | a) mis and plates | Sleapers of ste cast | cl and | Oti | e) ners | To | otal | | | |
| Quantify | Earnings | Quantity | Earnings | Quantity | Earnings | Quantity | Earninge | Quantity | Earníngs | Quantity | Earnings | Quantity | Earnings | Quantity | Earnings | Quantity | Earnings | ļ |
| Tons | Re | Tons | Re | Tons | Rs | Tons | Rs | Tons. | Ba | Tons | Rs | Tons | Rs | Toos | Rs | Tons | Rs | ┢ |
| 4 307 | 1 | 18,564 | 1,86,321 | 140 | 1,228 | 28 | 589 | 830 | 3,716 | 33 | 553 | 88 018 | 4,53 808 | į. | 4 59 963 | 115,179 | 0 90,409 | l |
| 20 305 | 1 40 859 | 46 932 | 4 34 007 | 577 | 1,291 | 883 | 4 227 | 27,859 | 1 54 081 | 2 311 | 11 387 | 34 227 | 1 59,814 | B5,650 | 3 31,200 | 172,0ა5 | 5 31 245 | l |
| 10 0a0 | 08 477 | 11,750 | 73,439 | 109 | 129 | 339 | 396 | 529 | 495 | 105 | 138 | 10 884 | 28 183 | 18 115 | 29,3°8 | 89,330 | 4 17 091 | l |
| 79,155 | 1 | 101 408 | 13 58,107 | 1890 | 15 830 | 138 | 1,053 | 25 520 | 1 90,638 | 0 851 | 49 585 | 101 245 | e co 718 | 2°5,589 | 0 %,030 | 239 701 | 11,47 089 | |
| 45 383 | 1 | 99 153 | 12 51,192 | 341 | 3,018 | 262 | 3 418 | 11,984 | 89 123 | 6 921 | 48 368 | 8 114 | 58 5/0 | 27 075 | 1 89 503 | 201,005 | 10,76 296 | |
| 89,416 | i | 107,127 | 7,25 078 | 3.5 | 1 165 | 2 | 4 | 1 493 | 8 757 | 932 | 1 011 | B26 | 3,411 | 3 013 | 14,348 | 105,640 | 4,88 310 | |
| 3,29 ₃ | 22 529 1 83 541 | 14 843 | 7,30,181 | 1 10 | 21 | | | 138 | 1 636 15 151 | 0 493 | 37,930 | 92,713 | 5 70 232 | 137 100,235 | 1,640 8 23 307 | 35 370 105 050 | 1 78 968 6 78 099 | |
| 1,150 | 10 735 | 6 363 | 40,817 | ," | " | | | 412 | 1 403 | 0 234 | 01,000 | 14,095 | 34,631 | 15 347 | 30 031 | 62 040 | 3 25,511 | : |
| 4.5 | | | *0 *10 | 1 | | | | | | | | | | 3 | | | | |
| 5,578 20,549 | 45 033 91 419 | 6 881 30 501 | 5°,749 1 39,059 | Ī | | | £83 | 95 18 | 1,406 | 2 | 2 | 509 756 | 7,013 | 601 774 | 2,419 1,558 | 18 201 | 70 004 4 44 979 | |
| 813 | 4,0.7 | 812 | 4027 | |) | | | 26 | 43 |] [|] ~ | 1 061 | 727 | 1,087 | 770 | 4 921 | 12,909 | |
| 4 733 | 23,903 | 8,895 | 46 22 1 | 27 | 232 | 64 | 277 | | | | | 4 122 | 6 431 | 4 213 | 6,940 | 5,709 | 0 050 | |
| 44 696 | 4 21 143 | 43 632 | 4 46 097 | | } | | } | 202 | 503 | } | | | | 202 | 563 | 20 6% | 3 12 426 | |
| | | 40 | 12 | | 1 | | | | | 1 | | | | | | 2 410 | 398 | |
| | | 605 | 5 052 | | } | | | |] | | | | | ~ | | 777 | 2 961 | 1 |
| 5,239 | 24 299 8 806 | 7,781 | 5° 657 79 1°1 | 408 | 1 000 | 125 | 918 | 7 000 | 1 905 | 147 | 300 | 4,176 | 14010 | | 18 490 | 10 767 19 274 | 9, 229 | l |
| 1,618 5,044 | 21,017 | 5314 | 2° 096 | 126 | 1 355 677 | 120 | 919 | 1,263 | 6 336 | 1 419 | 6,457 | 3,170 | 14,018 | 0,179 2,777 | 19 639 | 3 211 | 01,908 5 398 | |
| 451 | 1,220 | 624 | 1 832 | | | | | 729 | 1 %1 | | | 8 | 14 | 737 | 1,255 | 416 | 648 | ı |
| 10,993 | 70 491 | 33 850 | 3 50 810 | 258 | 401 | 322 | 2,20° | 21 284 | 09 213 | 2,343 | 5,208 | 119 892 | 1 43,550 | 144 099 | 2,20 674 | 257,316 | 25 54 125 | |
| 412 | 4 220 | 790 | 8 639 | 0 | 32 | | | | | 956 | 2 0 1 1 | 957 | 1 707 | 1 919 | 3 783 | 14 518 | 43 O J 5 | |
| 28 9°5 | 1,81 077 | 30 618 | 1,04 372 | 330 | 010 | 367 | 744 | 251 | 1 011 | 79 | 89 | 223 | 880 | 1 244 | 3 650 | 18 440 | 29,342 | |
| 20 244 | 1,33,050 | 55,017 | 3 84 610 | 201 | 123 | 1,109 | 2,317 | 2 769 | 11 833 | 1,170 | 2 818 | 14 053 | 50 727 | 10,301 | 69 161 | 52 361 | 4,18,366 | l |
| 300 | 1 285 | 899 | 4,431 | | | | | 6 | 21 | | | 3 | 5 | Đ | 28 | 921 | 3 819 | |
| ···' | | 1 | | | | - | | | | } | | | | | | | | ١ |
| 81 | 231 | 699 | 1 895 | | | | | ı | | | | | | | | 4 400 | 9 088 | |
| | - | 0.00 | | ļ | | | | | ĺ | | | | | | [: | | | l |
| 4 911 | 95 7 91 | 3°6 5,007 | 1 146 37 431 | | | | •• | | - | _ | | | | | | 787 | 8,050 | |
| 30 | 80 | 37 | 100 | | | | | | 1 |] | | 8 | 7 | 8 | 7 | 417 | 1 092 | |
| 20 | 18 | 28 | 24 | | | | | - | | , | | | 1 | | 1 | 3º3 | 186 | |
| | | | | ļ | - | 1 | | | | } | | 1 | | | | 210 | 953 | |
| ** | | 20 23 | 35 149 | | | | | •• | _ | 47 | 246 | | | 47 | 210 | 122 | 155 64 | |
| | | | | | | | | | | | | | | | | | " | |
| 1 920 | 20 302 | 100 | 90 379 | | | | | | | | | | | | | 1,097 | 16814 | |
| | | | | | | | | | | ~ | - | | | | | | | |
| • | | | | | | | | | | ,, | | | | | | | | |
| 4°0 111 | 3a 4° 069 | 701 681 | 07 81,438 | 4,9,7 | 76 875 | 3 638 | 17,069 | 07,458 | 5 45 974 | 29 251 | 1,66 238 | 590 722 | 21 89 215 | 725 940 | 20,44,720 | 1,739 049 | 1,07,23 782 | |
| 413,792 | 34 30,375 | 705 890 | 08 10 831 | 3 *94 | 14 695 | 18 900 | 42,982 | 94 818 | 6 64 009 | 21 193 | 78 265 | 530 251 | 22 80 895 | 609 Es6 | 30 80,630 | 1,617 200 | 1,02 32,700 | |
| 11 310 | 1,12,294 | | | 1,593 | 12,140 | | | 2 510 | - | 8 008 | 87 9 /3 | 60,471 | | 55,390 | | 90 637 | 4,91,070 | |
| | | | | | | | | | | | | | | | | | | ł |

APPEN

Principal commodities carried by railways and

[The total quantity of each commodity represents the total weight conveyed over oil railways in India

| | THEFT | | | | x | xv | | | | | | | ΥX | V1 | | | | |
|-----------|--|---|---------------|---------------------|-----------------|--------------------|----------------|--------------|------------|----------|--------------|----------|------------|-------------|-------------|--------------|--------------|------------------|
| | | | SAL | PETBE A | ND OTHE | n saline | SUDSTAN | CES | | | | | Sil | ĸ | | | | |
| | | | | _ | | | | | | _/(1 | <u>)</u> | | | f2 Piece | () | | | |
| | | Rallway system ride | | 1) | Other | 2) saline | To | tal | | | | | | | | | Tot | вl |
| | | Rallway system, vide Appendix 1 | Salty | etre | suhst | ances | | | (a Fore | | (! Ind | | (a Fore | | (6) 1ndi | | | |
| | | | | | | | | <u> </u> | | | | | | |] | | | |
| Noin bead | Snb bead | | Quantity | Earnings | Qnantity | Earnings | Quantity | Earnings | Quantity | Earnings | Quantity | Earnings | Quantify | Larnings | Quantity | Earvings | Quantity | Earnings |
| No. | Snb | | Qua | Earn | - Q | Ear | - g | Ear | 8 | Ear | Öar | | | -Fa | ē | Ear | 8 | Ear |
| | | 5 6' gauge | Tons | Re | Tons | Ps | Tons | Pe | Tons | Bs | Tons | Rs | Tons | Rs | Tons | Rs | Tons | Bs |
| 1 | (a) (b) | Bengal Vagpur | } | | | | | | | | £8° | 9 665 | | | | , | 582 | D 602 |
| 2 | (a) (b) & (e) (a) (c) to (f)& | Bombay Baroda and Central India | 1,609 | 14,341 | 1,367 | 17 070 | 2,0,0 | 31,414 | 301 | 7,782 | 6 7 | 1,471 | 01 | 1,061 | 66 | 2 015 | 408 | 13,329 |
| 3 | (n)&(o) | Fastern Bengal State | 41 | Ι. | 4 776 | 1 | l . | | | | 148 | | | | | | 149 | 1 474 |
| 4 | | East Indian Great Indian Peninenla | 18 5°0 659 | 2 09,191 8 664 | 20 531 3 801 | 1 | | | 184 | 2 587 | 881 96 | 1 | 31 | 2 481 | 181 | 5 230 377 | 1 065 316 | 17,357 11 729 |
| 6 G | (a)to(c) | Madras | 321 | 3,283 | 149 | | 409 | | | | 502 |] | 2 | 10 | 1 1 | 37 | 1 1 | 0,412 |
| 8 | (a &(6) | Nizam B Gnarantoed State | 119 | , | 891 | J 1 | 1 | | | 1 | 1 | | 1 | 7 | 1 | 43 | 1 | Po |
| 9 10 | | North Western State Oudh and Robilkhand | 0 05° 73J | 32 37° 2 727 | 8 013 195 | 70 17° 800 | 14 005 030 | J | 219 | 3 574 | 130 | 2 830 | 28 | 703 | 41 | 943 13 |)) | 8 009 |
| 10 | | State | | 5,2, | 200 | 500 | | 0 000 | | | | | | | | 10 | 1 | 10 |
| | | 3' 31" gauge | | | | | | | | | | | | | | | | |
| 11 | | Assam Bengal Bengal and North | 4 | 18 | | 2 | 4 | 20 | | | 2° | i | | | | 8 | 1 1 | 217 |
| 33 | | Western | 11 351 | 42,757 | 6,146 | 26 061 | 17,431 | | | | | 91 | | | 3 | Ci | 12 | 155 |
| 13 34 | | Bengal Dooars Bhavnagar-Gondal Jn | G6 | 282 | 117 10 | 247 | 117 76 | (| 5 | 33 | G | 10 | | | | | 10 | 46 |
| i | | nagad Porbandar Darma | | | | | | | 63 | 1 905 | 2 | | | | - | | | |
| 15 16 | | Deoghar | . 3 | Ga | 3, | 550 | 41 | Got | 63 | 1 975 | | 67 | G | 277 | 2 | 46 | 73 | 2 333 |
| 27 | | Dibru Sadiya | | | • | | | | | | | | | | 1 | | | |
| 8 | (c) | Hyderahad Godavarı Vailey | 51 | 418 | 177 | 1 335 | 228 | 1 763 | 4 | 80 | 1 | 32 | | | 1 | 32 | e | 148 |
| 18 | (d)to(f) | Jodhpur Bikaner Nadras | 549 | 2 037 | 1,682 | 8,220 | 2,1°1 | 11 16 | 16 | 67 | 3 | 11 | 1 | 5 | | Đ | 19 | 72 |
| G 19 | (a)to()) | Morvi | 40 14 | 272 21 | 1 | 2 | 41 14 | 234 24 | | | 1 | 7 | | | | į | 1 | 7 |
| 2 | (/)&(g) to (m) | Rajpntana Malwa | 8 15 0 | 60 917 | 2 %10 | 18 974 | 10 360 | 71 891 | 198 | 9 605 | 11 | G*3 | 60 | 3 734 | 47 | 2 G53 | 316 | 16 115 |
| 20 | (a)&(b) | Pohilkund and Kumaen | 120 | 295 | 803 | 2 271 | 1 018 | 3 56° | | | | | | | | | | |
| 21 | | Sonth Indian Sonthern Mahratta | 5 03 | 2 895 | 15 | | 683 | 1 1 | 2 | 59 | 21 | | | | 5 | 27 | 23 | 284 |
| 22 23 | | Udaipur Chitor | 2,0 41 | 2 106 218 | 210 21 | 1,801 78 | 510 03 | 4 2G, 20, | 178 | 3,218 | 217 | 1,409 | | , | | | 425 | 4,740 |
| | | 2 6' gauge | | | | | | | | 1 | 10 | | | | | | | |
| 24 | | Baraset Basırhat Barsı Light | _ | | | | | _ | | _ | | | | | | | | |
| 26 26 | | Bukhtiarpore Behar Light | 1 | 4 | 4 6 | 113 | 47 | 11, | 2 | D | ., | | | | | 1 | 2 | 10 |
| 27 | | Light Cutch | , | | | | , | ١ | | | | | | | | | | " |
| 30 | | Kalka-Simla | 1 | 7 | G | 135 | 6 | 14. | | 1 | | | | , 1 | " 1 | 19 | 1 | 21 |
| 1 | (e) | Monrhhanj | | 1 | 1 | | | | 1 | - | | 761 | ł | | | | - | |
| 20 | (g) (g) | Parlaximed: Light Powayan Light | | } | } | | | | | - | | | Ì | | | | | |
| 39 | | Tarakeshwar Magra | | 1 | 2 | 3 | 2 | 3 | | | | | ł | | | | | |
| 33 | - 1 | Tezpore Balipara | | } | | - | | 1 | | ļ | | | [| - | - [| | 1 | 1 |
| 30 | | 2' 0" gauge Darjeeling Himalayan | } | 1 | | | | | 1 | Ì | | | | | | | | - [|
| 36 | | Howrah Amta | 4 | | | - | " | į | ł | } | | | | | - | 1 | | ł |
| 37 | | Howrah Sheakhala | - | | 6 | | | - | - | } | | | 1 | | . | | - | |
| 38 | " | Jorhat | | | | | | | | | | | | | | | | |
| | 1 | Total 1905 Total 1904 | | 3 77 816 4 0 80J | | | | 1 | 1 174 | 28 978 | 2 73° | 46 028 | 100 | 8 657 | 302 | 11 5% | 4 459 | 95 213 |
| | , | Increase | | 3 0 800 | 47,025 3 793 | 3 56 721 29 96° | 101 G17 | 7,80 5 6 | 1 421 | 35 653 | 2 2°6 466 | 7,249 | 200 | 9 7 10 | 479 | 15 873 | 4 366 1 | 00 01 |
| | , | Decrease | 8 318 | 51,880 | | | 4,520 | 23 027 | 247 | 0 675 | ••• | | 19 | 1 053 | 108 | 4,353 | <u> </u> | 4 632 |
| | | | | | | | | | 1 | | 1 | | } | | 1 | | 1 | |

DIX 17—continued

the earnings therefrom during the calendar year 1905

and is therefore not the same as the total production]

| | | | | | | xxv | 111 | | | | | | | xxv | III | 320 |
|----------------|------------------|--------------|-------------|-----------------|--------------------|------------|--------------|--------------|-------------|----------------|--------------------|------------------|----------------------|-------------------|----------------------|-----------|
| | | | | | | SPIO | E5 | | | | | | | | | Nowber |
| (I Betel | 1 | (2 Cardan | | Chill | 1 | (4 Ging | | ((5 Pepp | | (6 Oth | | Tot | al | Stone an | d lime | |
| Quanttiy | Earntrgs | Quantity | Earnings | Quantity. | Earnings | Quantity | Earnings | Quantify | Earnings | Quantity | Earnings | Quantity | Earnings | Quantity | Earnings | Main head |
| Tons | Rs | Tons | Rs | Tons | La | Tons | Rs | Tons | Re | Tons | Rs | Tons | Rs | Tons | Rs | |
| 8 °0. 1 160 | 6.,850 22 507 | 110 | 2 186 | 7 534 2 329 | 81 010 23 *82 | 1,2,0 | 14364 | 8°5 | 16 445 | 6 712 0 461 | 49,350 1 00 267 | 22 451 15 1°1 | 1 90 255 1,78,551 | 74,830 50 601 | 1 99 721 1,46 181 | |
| 15,538 | 1 13 742 | 307 | 6 237 | 6 212 | 41 819 | 1 120 | 16 701 | 240 | 3 891 | 2,5% | 15 5GC | ~6,343 | 1,97 956 | 31,115 | 41,443 | |
| 11 6 9 | 2 51,653 | 4 º0 | 13 665 | 11 819 | 2 12 517 | 1 "33 | 1146 | 1,108 | 28 601 | 11 459 | 1,8\$ 031 | 37 791 | 7,00 743 | 340 187 | 12 60,014 | |
| 9 543 | 201750 | 97 | 3,014 | 10 505 | 1,00 005 | 594 | 13 9,0 | 713 | _2 968 | 12 310 | 1 61 074 | 33 851 | 5 06,738 | 13° 071 | 3 63 739 | |
| 20 061 | 1,°05-3 D (80 | 40 15 | 521 109 | 10 5°3 4 689 | 1,30,530 33 403 | 012 53 | 6 175 | 6 61 1 | 29 343 | 3 084 1 781 | 21 861 12 724 | 41 037 | 3 33,762 | 98 4 9 18 4, 4 | 1 73 074 56 199 | |
| 850 701 | 6 256 | 311 | 4 8.1 | 6 321 | 67 062 | 1 835 | 18,-16 | 803 | 21 356 | 3,371 | 31 060 | 7 435 13,337 | 62 179 , 1 55,53a | 274 690 | 4 20 836 | ı |
| 2,3 0 | 37 297 | 2, | 378 | 1 087 | 16 370 | 409 | 4,3°3 | 90 | 997 | 2 182 | 9 360 | 6 859 | 69,673 | 76,642 | 1,02 66 > | |
| 1,670 | 14 605 | | | 1 714 | 9 619 | 3 | 25 | 7 | 50 | 160 | 1 350 | 3 ნიუ | 25,125 | 2 657 | G 4°9 | |
| 3 031 | ~4 207 | 221 | 2 708 | 6 300 | 33 817 | 1 373 | 13 172 | £31 | 5 543 | 1 771 | 13 177 | 13 242 | 92 201 | 31 Ga3 | 59 403 | |
| 181 | E51 | 30 | 308 | 30 | 80 | €3 | 167 | 9 | 45 | 6 | 2 | 310 | 1 556 | 892 | 1 310 | |
| £83 | 2 019 | G. | 54 | 384 | 2 163 | 14 (| 92 | 6 | 64 | 915 | 3 517 | 1,043 | 0 174 | 75 661 | د80 03 | |
| Б,898 27 | 58 9°5 | 1 | 19 | 5 928 10 | 1 05 402 3 | 1 043 | 9 061 | 22 15 | 460 4 | 193 | 1 710 | 12 590 63 | 1,76 195 15 | 114 814 | 2,63 865 3 591 | |
| £33 | 6 695 | 2 | 47 | 1,236 | 1302 | 0 | 203 | 8 | 97 | 351 | 3,408 | 2 21 | 24,410 | 1,6°6 1 19a | 5 863 | 1 |
| 124 | \$22 | 19 | 81 | ნივ | 526 | 36 | 352 | 31 | 214 | 292 | 1 004 | 1 121 | 7 639 | 31 188 | 50 406 | |
| 1,601 | 3 *00 | 2 | 10 | 2 780 | 7,962 | 9 | 34 | 301 | 867 | 49 | 161 | 4 302 | 12 333 | ,36 | 1 403 | 1 |
| 9 | 33 | | - | 46 | 160 | 2 | 8 | | 1 | 124 | 571 | 181 | 732 | 408 | co3 | ı |
| 997 | 14 426 | 76 | 3,406 | 5,140 | 5 3 837 | 072 | 17 905 | 530 | 17,832 | 12,203 | 1,17 903 | 9 027 | 2,20,368 | 52 553 | 1,08 090 | |
| 228 | 1 993 | 19 | 115 | 520 | 3 813 | 106 | 484 | 31 | 23ა | 336 | 1 568 | 1 200 | 8 211 | 8 151 | 19 110 | ١ |
| 14 137 | 72 662 | 311 | 2 672 | 9 265 | 87,530 | 806 | 3 067 | 783 | 0 000 | 253 | 2 317 | 20 100 | 1 74 302 | 183 900 | 1855.0 | 1 |
| 11,329 | 89 761 50 | 191 | 3,600 | 14 8°6 | 103155 | 368 10 | 3 766 126 | 439 3 | 3,798 25 | 8 707 80 | 69,193 | 35,0°° 163 | 2,61,182 | 45 3 10 81 | 89 58 1 301 | 1 |
| 0 | | | | 3" | 1.0 | | | ľ | | | 0,00 | 103 | 711 | , " | 301 | |
| 41 8 | 1,212 | | | 90 | 10° | 7 | 25 | 0 | 25 | 271 | Go7 | 163 | 2 213 | 48 | 141 | |
| 12 | 34 | | | 39 | 100 | | , | | | 15 | 43 | 6 5 | 186 | 1 | 3 | |
| 5 | 114 | 1 | 17 | 3 | 69 | 28 | 330 | 1 | 49 | 13 | 260 | 61 | 867 | 5,2 | 7 0-2 | 1 |
| 8 | 32 | | | | 1 | | | | | 8 | 20 | 10 | 53 | 57 | 46 | 1 |
| 4 | 3 | | | 12 | 11 | | | | | 31 | 19 | 47 | 33 | 5 | 5 | |
| 2 | 5 | | | | | | | | | | | 2 | 5 | 13 656 | 4 451 | |
| | | | | | | | | | | | | | | 50 | 139 | ı |
| 50 | 1,176 | 181 | 2 018 | 1 | 32 | 1 | 22 | 17 | 426 | 14 | 200 | 267 | 4,818 | 1 060 | 10,043 | |
| | | | | | | | | | | , " | | | | | | |
| | | | | | | | | } | | | 7) | | 1 | |] | |
| 101 tOs | 11 32 817 | 2,1+1 | 46 919 | 119 697 | 11 47 915 | 11 952 | 1,37 917 | 17 765 | 172 000 | 79 693 | 7 95 611 | 327 514 | 31 33 212 | 1 675 162 | 30 69 129 | - |
| | 11 50 0,0 | 2 060 | 45 906 | 108 650 | 10 22 211 | 11041 | 1 43 213 | 10 502 | 1 71 767 | 73 495 | 7,22 780 | 313 850 | 32 60,980 | 1 567 950 | | -1 |
| | | | 1,043 | 11 687 | 1 25 704 | 11 | | 1,761 | 273 | 6,108 | 72 764 | 13 664 | 1 79 950 | 107 182 | 3 °9 (91 | |
| 5 103 | 22,23° | 199 | | | | | 5,296 | 1 | | | | | | | | 1 |

Principal commodities carried by railways and

[The total quantity of each commodity represents the total weight conveyed over all railways in India

| | | | | ., | | | | | | | | | XXX | | | _ |
|-----------|---------------------|--|--------------------|------------------|-----------------|--------------------|--|----------------------|-----------------|------------------------|----------------|----------------|--------------|--------------------|----------|------------------------|
| 453 | EVZ. | | | | | 717.7 | | | | | | | Tel | | | - |
| | | | | - | | STOAT | | | | | | 1 | | 1 | | , |
| | | | (1) | | | (2) Unrefin | | | | | (1) Foreign | | (2) India | | Total | |
| | | Railway sys ² em, v:de Appendix I | Refined or sed inc | lading | (c) Suga | . 11 | (b) Gur rab is molasses an excharine i | d other | Total | | Foreig | | India | | 10.4. | |
| | | | | | | | | | | 1 | | | | | | |
| Main bead | Sub-besd | | Quanility | Earnings | Quantity | Earpings | Quantity | Earnings | Quantity | Earnings | Quantity | Earnings | Quantity | Earnings | Quantity | Earnings |
| 1 | Bab | | | | Tons | Re | Tons | Ps | Tons | Rs | Tons | Re | Tous | Rs | Tons | Rs |
| | | 5 6" gauge | Tons | Rs | 1003 | | 14 428 | 1,21 551 | 26,219 | 2 05,365 | | | 312 | 4 490 | 342 | 4 490 |
| 2 | (a) (b) & (c) | Bengal Nagpar . | 11,821 | 80,811 | | *** | 27 604 | 2 10 303 | G1 930 | G 55 101 | 266 | 5,187 | 281 | 5 227 | 647 | 10 414 |
| 2 | (a) (c) | Bombay Baroda and Central India. | 37 252 | 4,35 012 | 91 | 661 | 27 603 | 2 10 000 | | | | | | | | |
| 3 | (n)&(o) | Eastern Bengal State | 10 648 | 76,031 | 16 606 | CO 691 | 28 952 | 1 9 010 | 56 201 | 2 75 632 | | | 28,710 | 5,28 012 30 690 | 26 719 | 5 29,012 30 680 |
| 4 | | East Indian | 23,4,5 | 2,23 790 | 84,075 | 3 71 786 | 130,701 65 556 | 5 81 360 8 18 5-2 | 217 311 | 11 76 872 19 31,910 | 140 | 2 395 | 970 | 22 058 | 1,110 | 25,353 |
| 5 | | Great Indian Peninsula | 1 | 10 40,912 | 9 171 6 472 | 72 162 34 071 | 55 556 51 956 | 2 16 755 | 65,213 | 2 91,566 | 9 | 258 | 600 | 12 456 | 600 | 12 712 |
| 6 | (a) to | Madras | 6 820 2 989 | 40 740 23,151 | 701 | 5,003 | 4,081 | 29 003 | 7 774 | 58 233 | 23 | 302 | 69 | 1,217 | 91 | 1,510 |
| 8 | (c) (a) & (b) | Nizam & Guaranteed State North Western State | 80 47B | 14 09,200 | 20 810 | 1 67 151 | 141 769 | 10 54 507 | 248 068 | 26,90,853 | 871 | 19,295 | 2 154 | 31,616 | 9 025 | 49,911 |
| D Lo | | Ondh and Roblikhand State | 10 703 | 49 492 | 83,490 | 3 65 170 | 98 5 to | 3,70 267 | 181,823 | 7 81 878 |] | | 2,2% | 19 167 | 2 2 2 1 | 13,167 |
| .0 | | 3' 3 " gauge | | | | | | | | | | | | | | |
| 11 | | Assam Bengal | £7 | 2,770 | 1 386 | 6 833 | 2 271 | 10 030 | 4,217 | 19 081 | | | 29 940 C1 | 3,°0 803 891 | 28 3 10 | 3 29,80 881 |
| : | ** | Pengal and North Western | 3 791 | 22 161 | 26,143 | 1 61 201 | 60,630 | 2 61,518 | 00,516 | 4 67 933 6,769 | - | 1 | 13,452 | 1 | 13 152 | *,69,207 |
| 3 | | Bengal Dooara | 491 | 1,650 | 171 | 747 | 807 3 679 | 4,1,2 19 519 | 10 916 | 46,601 | 2 | 14 | | ' L | 73 | 538 |
| 4 | | Bhavnagar-Gondal-Junagad Por haudar | 7 237 | 33 178 | | | | | 13 272 | 1 68,101 | 1,255 | 22 040 | 65 | 1 297 | 1,320 | 23,273 |
| 15 | | Burma | 140 | 1 5*2 | 4 801 | 63 937 | 13,331 | 1,1°,6°5 141 | 750 | 218 | 1 | | | | -, | |
| 16 | | Deoghur | 407 | 3 313 | 250 | 77 | | | 489 | 3 312 | | | 0,597 | 75 401 | 9 007 | 75,461 |
| 17 | | Dihru Sadiya | 463 2 534 | 22,383 | 38 | 3,7 | 913 | 8 110 | 3 515 | 30 881 | 5 | 68 | 1 | | 7 | 111 |
| 8 | (c) | Hyderabad-Godayari Valley Jodhpur Bikaner | 3,001 | 20 71. | 5 375 | 20 193 | 9 693 | 6° 5.3 | 18 150 | 1,09 467 | 1 | 1 | 1 | i | 5 | 72 |
| 18 G | (d) to | Madras | 1 131 | 4 245 | 119 | 731 | | 3 200 | 2 657 | 8,07. | 1 | 1 | 3 202 | 1,110 | 223 | 1,113 |
| 10 | l o | Morvi | 150 | 492 | 67 | 170 | | 3 001 | 1 492 | 16,09 10 | l l | 9 66 | . 149 | 1 | 1 | 1 |
| 2 | (b) & (c) | | 21 735 | 1 | 45 401 7 074 | 3 76 °83 18 058 | 1 | l . | 1 | , | | | 15. | 1 | | 1 |
| 20 | (a) & | 1 ohilkand and Kumaon | 017 17,049 | 3 378 68 333 | 4 6 20 | 1 | 1 | 1 | 50 193 | 3 70 07 | 4 | | 3 100 | 6 25 431 | 4 000 | 1 ' |
| 21 | " | couth Indian Southern Mahratia | 9 822 | ł | 5,792 | 41 930 | 76 580 | 3 3 9 771 | 72,500 | 1 | ì | 4 | 1 | 1 ' | li li | 1 |
| 23 23 | - | Udalpur Chitor | 317 | 1 | 600 | 3 718 | 731 | 3110 | 1,849 | 8 68 | 1 | | 2 | , | ` | 1 |
| _, | " | 2' 6" gauge | 1 | | | | | | | | | | | | | |
| 2(| | Baraect Basirhat | | | | | | | • | | | , | 3 | | | , |
| 61 | 1 | Barri Light | 501 | 1,340 | 1 | 2 | | 85 | 8 95 | 1 22. | · [| ² | 1 | | | 1 |
| 20 | 1 | I akhtlarpore-Behar Light | | , , , | | 3 2- | 6 | | 20 | 3 5 | 1 | 1 | 3 | | | 1 |
| 2 | | Cutch | 10 | 1 | | | 1 | e 763 | | | 91 | Б | 90 | 43 ES | 0 4 | 8 01 |
| 3 | 1 | Kalka Simla Mourbhanj | 1 | 1 | . 1 | | | 3 | - 1 | 1 | 40 ,. | 1 | | 1 | | |
| : | (c) | | ε | 3 51 | ı | | 1 | 6 | - i | - | 65 | | | | | |
| 2 | | 1 | ı | | 1,10 | 1 | 1 | 10 | 110 | 1 | 10 | | | | | " |
| 3 | 2 - | Tarakeshwar Magra | | 2 1 | 1 | 3 10 | 05 14 | ~ · | - | 1 | 10 | | 40 | 70 200 | 12 4,0 | 70 290 |
| 3 | 3 | Terpo e-Balipara | 1 | ۱ ' | <u> </u> | | | | | | | | | | | |
| | | 2'0 gaure | | 1 23 | 0 0 | 12,0 | 22 | 19 30 | ₂₀ 0 | 72 16, | ·83 | | 4,0 | 000 ro 3 | 64 40 | 66 56,5 |
| | s | | - 1 . ' | 1 23 | `{ | | - - | - | | _ | 1 | . | | | 1 | |
| | <u>-</u> | Tr Charlet | | | | - | | - | | | - | . | . - | • | 1 | |
| | 3 | T-Ant | | | _ | | | _ | | _ _= | | | 770 99 3 | 328 14 43 | | 407 15 55 |
| | | To-al 19'5 | 3*7 6 | | · | (| I | | 13 1 52° 3 | | <u></u> | 70 59 -0 68 | | e50 15,07, | | 407 15 02 100 15 73 |
| | 1 | To-12 1994 | 323,5 | 91 41,50 CC | 2 272 0 33 7 | | | | | | -1-: | - | . 113 | | - | -¦ |
| | | INCREASE | | 2,33 0 | - | | | - | | | | | 279 19 | 522 63 2 | | 93 70,1 |
| | | December | 1 10 | 2,3-0. | 39 | | | | | | ! | | | | | |

the earnings therefrom during the calendar year 1905

and is therefore not the same as the total production I

| Ī | | | | 77. | /1 | | | 1 | | | 7/2 | II | | 1 | | 777 | III—(eon | tinno/Lo | n folto- | ing no | op) | Ī | - |
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| - | | , | | Топа | | | | | | , | T) 00 | | | | ^ | * ** | | Woor | ~ 101101 | | | | Nover |
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| ľ | (1 | t | | Manufa | etured | | Tot: | , | (1 | | (2) | , | m· | . | (1) | - | | M | (2) anufact | ured | | | |
| | Vama tui | nulie red | Ciga | i i | (č Other | į | 101 | " | Tim' unwro | | Vapufao | 1 | Tota | ıı | Ray | - | (a) Carpet | 1 | (b) | sboo | (c Piece g | oods | |
| | 1 | | | | | | | <u> </u> | | | | | | | | | riigs | | Euroi | ean | 1ndi | n | |
| | Quantity | Farnings | Quantity | Tarnings | Quantity | Larnings | Quantity | Carning* | Quantify | Farnings | Quantity | Earnings | Quantity | Laralogs | Quantity | Earnings | Quantity | Earnings | Quantity | Jarnings | Quantity | Earongs | Nain head |
| • | Tons | Ps | Tons | 1 s | Tons | Rs | Tons | Рв | Tons | Pa | Tons | Rs | Tons | Ps | Tons | Rs | Tons | Rs | Tons | | Tons | Rs | _ |
| | 0 302 | 63 253 | | | 757 | 13 378 | 10110 | 06 563 | 5G 177 | 2 31 62 | 2 157 | 18 305 | C3 651 | 3 5° 020 | | | | | | | | | 1 |
| | 1403 | 1 15 355 | 100 | C 151 | 563 | 010 ₆ 0 | 15 011 | 1 28 591 | 37 215 | 2 14,163 | 1 429 | 19 355 | 41 G13 | 2,62 02 | 7,905 | 1 36 317 | 722 | 4 205 | 300 | 7 8.7 | 450 | 9,189 | 3 |
| | 31 43 ₀ | 3 °9 63 | | | 702 | 11 303 | 3, 138 | 3 40 0°6 | 38 0-2 | 85 97 1 | 3 414 | 18,032 | 4° 3.6 | 1 01 506 | 1 425 | 2ა *9ა | | | | | 9. | 1,309 | 3 |
| | 2,073 | 3 51 600 | 55 | 1 221 | 2010 | 75 310 8 95 1 | 37 033 | 1,37 056 | | 24 °.0 081 703 | 7 968 | CL 03 1 | | 3 3° 000 | I | 20 001 13 515 | C07 | 17,416 3 189 | 820 253 | 14 504 | 340 | 9 538 4 507 | 4 |
| | ! | 1, 3 556 1 36 330 | 1 0º1 *01 | 31 218 12 711 | 100 | 107/9 | 11,510 21 121 | 1,00 893 1 03 8.0 | - 1 | 9,49 0 0 | 1 | 12 307 | | G 83,056 | | 20 078 | 617 | 5 703 | 147 | 11,852 5 304 | 167 741 | 8,633 | . G |
| | 142 | 10 001 | 116 | 1071 | 16 | 21- | 1 .51 | 22 072 | 20 016 | 75 003 | G07 | 7,312 | 1,***3 | 87,876 | 301 | 2 005 | 80 | 1,189 | 20 | 3°1 | 261 | 3 183 | 8 |
| | 10 691 8 3,3 | 1 °0 °03 45 °01 | £5 03 | 2 2r3 8-9 | 2,°67 2 0 | 53 513 2,072 | 19 0 ა0 5 06ა | 2 30 810 19 702 | | 2 70,101 1 03 1 ₅ 7 | 10 131 6 %9 | 1 03 717 33 415 | 83 004 115 028 | 3 73 911 2 70 5/2 | | 4,00 89° 2,589 | 2°6 19 | 4 126 118 | 1000 | 21 390 1 100 | 1 103 321 | 23 684 3 528 | 19 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 932 | 110-0 | 15 | 207 | 151 | 1 797 | 2 053 | 15 023 | 707 | 3,_27 | 1 651 | 13 8,7 | 2 3.9 | 17 000 | | 2 | 13 | 23. | | 1 | 2 | 38 | 11 |
| | 35 103 2 577 | 03 13 0 1°4 | יפ | r39 | 2"3 | 2 119 | 25 127 2 600 | 2 FG 895 0 510 | 31 403 2 3 9 | 03 678 | 1141 | 85 992 295 | 35 551 2 413 | 1 °9 050 | 100 | 1,617 | G1 | 608 | 84 | อจร | 532 | 3 144 | 12 13 |
| | 1,013 | 2 v23 | 1 | 23 | 201 | 2 0 10 | 1,313 | 8 002 | 11 027 | 61,319 | 691 | 100 | 11 718 | EG 015 | 718 | c,112 | | | 3 | 11 | 12 | 79 | 13 |
| | 4757 | 37 163 | 160 | 2 108 | 707 | 7 037 | J 130 | 15,033 | 131,759 | JOP 293 | 2 07- | 15 407 | 131 11 | 5 78 70: | 31 | 5°2 | 9ა | 2 129 | 8 | 191 | | ı | 15 |
| | 200 | 63 | 59 | 11 | | - | ۰۵ | 77 | , 30 330 | 10 19 25 1 | | | 30 | 10 251 | | | | - | | | | | 16 |
| | s-3 | C 01.2 | 3 | 20 | 26 | 474 | 412 | 7 140 | ~ Ca3 | 30 790 | 1111 | 10711 | 0 112 | 47 117 | 7 | 170 | 39 | 703 | 2 | -0 | 05 | 1 159 | 8 |
| ĺ | 1 539 1,61 | 9 207 0 203 | 21 31 | 25 i 279 | 1^9 13 | 693 121 | 1,4°0 1,600 | 10 429 0 500 | 1, 59 | 879 3,218 | 1 102 | 1 562 | 2 0 5 1 | 30 780 | 1 | 44 422 31 | 7 | 110 | 1 | 61 | 25 | 2°ა ნა | 18 |
| į | 4 8 | 1 135 | 1 | 11 | 25 | 131 | Cli | 1 537 | 1 031 | 3 314 | 63 | 269 | 1,144 | 1 | 1 - | 1 .23 | • | 4 | 1 | , " | 2 | 6 | į |
| | 1,011 | 1 6711 | 163 | 1,020 | 753 | 0 675 | 13,575 | 1 57 ,10 | 1 | C9 3.2 | 3 121 | 20 057 | 20 002 | 1 | 1 | 1 52 78 | 153 | 5 000 | 1 | 11,151 | 713 | 18 000 | 1 |
| | 1,78 6,5% | 9 8 J3 317 J1 | 16 | 170 | 212 1,~39 | 0 307 | 2 0 1 9 7.8 | 19 632 pg 153 | i | 73 331 | 0 185 | 5 971 11 902 | 1 | 70 302 | 1 | 2,158 | 121 | 1 739 | 1 | 1 | 101 | 3,167 | 20 |
| | 12,2 | 71 213 | 2.5 | 18 007 | 169 | 27.3 | 12 7.0 | 87 5.3 | i | 1 90 700 | 1 | 31 010 | 1 | 1 | 1 | 1 | 121 | 0 | 1 . | 1 | 41 | 800 | 1 |
| | 371 | 1,716 | 1 | 2 | 12 | 63 | 397 | 1 837 | 23 | 107 | 19 | 9 | 40 | 294 | 73 | 511 | | 2 | ! | | | 7 | 23 |
| | 4 6 | 126 | 1 | 13 | 19 | 15 | 50 | 151 | 117 | 301 | 179 | 160 | 326 | 751 | 1 | 2 | | | | | | | 24 |
| | | | | | | | | | | | | | | | | | | | | | | | 20 |
| | 10 C5 | 39 1 791 | 22 | 50. | 31 | 723 | 10 | 2 510 | C-0 | 1 JO 8 318 | 313 | 5 502 | 003 | | | 1 | 1 | 517 | 7 20 | 515 | 63 | 1,508 | 3 |
| | ı, | 13 | | | 1 | 3 | ۲ | 15 | 81 | 251 | 0 | 23 | } | 1 | j | | | " | | | | | |
| | 10 | 0 | | | 2 | 3 | 18 | 12 | 3 | 12 | 16 | 30 | 1 | 1 | i | 1 | | - | | | | | |
| | C3 | 77 | | | | | 53 | 77 | 528 3. | 1 071 | 1 | 2 | 529 36 | | | 3 | 1 | | | | | | 3 |
| | 1 | 2 | | | | | 1 | 2 | | | | | | | | | | | | | į | | 3 |
| | 33 | 790 | 151 | 4 501 | 70 | 140 | 275 | 0,711 | 532 | 4,020 | 107 | 3,203 | 729 | 8,18 | 13 | 2,0 | 5 | 13: | . (| 101 | 12 | 3-: | 3 |
| | | | | | | 1 | | | | 1 | | | | | - | | | | " | | - | " | 3 |
| | : | | | | | | - | | | | | | | | 7 | | _ | _ | | _ | | | _{3 |
| | | 20 33 20, | C 000 | 95 721 | } | 2 70 00 | | 23 6. 898 | | . ļ | . | 7 27 62 | -! | _ | - | - | | | | - | -] | - | -1 |
| - | | 18 81 718 1 C1 489 | C *39 | 0S COO | 16 851 | 7 692 | ļ | 1,07 100 | ·[| 12 765 | 73 579 5 878 | ·I—— | 2 1,211 35 | 1,71 9 | - | 0 96 67 | 2,102 | | - | - | 8 33 | 1 01 77 | 4 |
| - | J J J J J | 1 01 400 | 231 | 2,770 | 2 702 | | - | - | 57,358 | - | | - | 40 478 | _ | 91 | 8,811 | | | 1 | | 1- | I2 19 | - - |

Principal commodities carried by railways and

The total quantity of each commodity represents the total weight conveyed over all railways in India

| | ſ | | | ZZZII | I | | 7271 | v | | |
|--------------|------------------------------|---|--|------------|----------|------------|-------------------------|-------------------|------------|---------------|
| No | MEEE. | | | 11 00 L-co | ncluded | | | | | |
| Nam | | Railway system, ti <i>de</i> Appendix I | (2) Manufactured (d) Other sorts of | f manufae | Тога | .r. | \11 other ar merchan | ticles of disc | GRAND T | JATO |
| Main heid | Sub-head | | Qnantity | Earnings | Quantity | Earnings | Quantity | Earnings | Quintity | Earnings |
| | | | Tons | Rs | Tous | Rs | Tons | Bs - | lons | Ps |
| | | 5' 6' gauge | | | | | | | | |
| 1 | (a) (b) & (e) | Bengal Nagpur | 1 | | | | 121 510 | 0 70 090 | 3,313 708 | 1 46 39 109 |
| 2 | (a) (c) to (f) u (n & (o) | Bombay, Baroda and Central India | 63 | 1 346 | 8,709 | 1,50 001 | 322,516 | 13 24 400 | 1,833 810 | 1 22 64 113 |
| 3 | u (n & (o) | Fastern Bengal State | 2 | 7 | 1 522 | 26 611 | 161 0°5 | 6 00 636 | 2 473,293 | 1,03 91 460 |
| 4 | | East Indian | 961 | 23 231 | 4 321 | 81 426 | 633,819 | 84 43 099 | 10 276 066 | 07 סיפ 30,703 |
| 5 | | Great Indian Peninsula | 1 179 | 23 975 | 2 496 | 56 033 | 261 095 | 20,10 716 | 3 821 7 92 | 4 74 70 708 |
| G | (a) to (c) | Madras | 170 | 2 195 | 3 9/2 | 42 808 | 112 931 | 9 29 539 | 2,316510 | 1 20 67 931 |
| 8 | (a) & (b) | Lizam s Guaranteed State | | 1 | 671 | 7 590 | 16 619 | 1,35 094 | 726,872 | 37 76,976 |
| 0 | | North Western State | 1 203 | 22 006 | 2º 498 | 5 41 503 | | 32 53 131 | 4 156,655 | 3 80 11,770 |
| 10 | | Oulh and Robilkhand State 3 31" gauge | | | 7,5 | 7 416 | 232 720 | 9 86 139 | 1,198,545 | 62 83 104 |
| | | As am Bengal | 19 | 117 | 33 | 393 | 15 403 | 100 073 | 305 141 | 15,02 118 |
| 11 | | Bengal and North Western | 3 | 12 | 592 | 6 394 | 78 413 | 2 77 333 | 1,401 0.5 | 67 79 598* |
| 13 | | Bengal Dooara | - | | | 1 | 0 000 | 53 378 | 74 010 | 5 25 670 |
| 13 | | Bhaynagar Gondal Junagad Forbandar | 1 2 | 13 | 701 | 5 506 | 0 705 | 57 740 | 200 618 | 8 18 30a |
| 11 | | Burma | 1 | | 131 | 2 613 | 103 259 | 7,15 318 | 1,493 071 | 76 70 500 |
| 15 | | Deoghar | | | 1 | | 6 454 | 2 030 | 14 323 | 4 114 |
| 16 | - | Dihru Sadiya | | | | | 31 380 | 63,032 | G31 400 | 7 95 117 |
| 17 | (c) | Hyderabad Godavari Valley | | | 142 | 2 082 | 2 031 | 33 620 | 233 330 | 18 37 855 |
| 8 | (6) | Jodhpur Bikaner | 311 | 2 853 | 4 610 | 47 701 | 21 682 | 1,03 813 | 418 %1 | 19 05 030 |
| 19 | (d) to (f) | Madras | , | | 20 | 147 | 672 ن | 41 078 | 07 058 | 2 97 624 |
| 6 | (4) 10 (3) | Morra | | | 263 | 1 569 | 1,321 | 6,736 | 22 110 | c2 113 |
| 10 | (b) & (g) to | Bajputana Malwa | 113 | 2 330 | 11 670 | 7 92 34" | 273 312 | 14 78 061 | 2 100 5,3 | 1 87 60 412 |
| 2 | (a) & (b) | Pohilkund and Kumaon | 110 | 633 | 373 | 2 014 | 80 630 | 1 60 407 | 343 001 | 0 C3 O4 O |
| 20 | (0,2,0) | South Indian | 61 | 693 | 573 | 7 773 | 3 113 986 | 0 03 289 | 1 437 503 | 59 3° 460 |
| 21 | | Southern Mahratta | 70 | 6 18 | 1,493 | 17 689 | 100,500 | 3,51 632 | 1,129,199 | 61 32 318 |
| 22 | | Udapur Chitor | | | 1 74 | 57 | 7 931 | 5 671 | 15 611 | 71 310 |
| 23 | į | 2 6" gauge | <u> </u> | | | | 1 | | i | |
| | | Baraset Bsirhat |] | - | | 1 | 2 "03 | 2,,32 | 2 203 | 2 732 |
| 21 | 1 . | Barsi Light | | 5 1 | 6 (| 1 | 3 601 | 1,982 | 78 667 | 1 77,270 |
| 25 | | Bukhtiarpore-Behar Light | | ì | 1 | | 10 281 | 25,601 | 10,281 | 25 661 |
| 26 | ł | Cntch | | | 1 | 7 4 | 9 2 331 | 7 603 | 6 510 | 21,70 |
| 27 | 1 | Kalka Simla | 1 | 0 10 | 5 13 | 1 2 69 | 3 229 | 45 958 | 24 249 | 2 89 010 |
| 33 | (c) | Mourbhanj | - | | | l | 131 | 1 274 | 2 688 | 7,400 |
| 1 | (d) | ParlaLimedi Light | 1 | | | | 299 | 210 | 10,170 | 8 3 90 |
| 1 20 | (e) | Powayan Light | | 1 | 1 | | 20 3/4 | 30 113 | 28 6, 2 | 13 % |
| 33 | | Tarakeshwar Magra | 1 | - | | 1 | 3 597 | 1 167 | 20 037 | 13 600 |
| 32 33 | | Tezpore-Bilipara | | | j | | 0 31: | 14 457 | 14 178 | \$5 01 |
| ••• | | 2 O'gauge | | - | | | | | , | - |
| 35 | | Darjeeling Himalayan | 1 | 3 7 | 9 3 | 9 100 | | 1 | 39 237 | 5 10 94 |
| 20 | | Howrah Amta | - | | | - | 17 50 | | 1 | 27 80 |
| 3 | - | Howrah Sheakhala | | 1 | 1 | | 6 30 | } | 1 | 8 52. |
| 3 3 | - | Jornat | | | | | 10,15 | 47 P45 | 10 158 | 47,545 |
| | | To-AL 1935 | 5 00 | 3 8 78 | o 6, 44 | 3 12,17,02 | 3 144 05 | 1 81 30 495 | 10 728 191 | 21 42 05 7,0 |
| | | To-AL 1901 | 5 91 | 1 13 15 | 05 22 | 13 25 20 | 3 1 10 50 | 1 61 84 116 | 39 007 413 | 23 60 60 49 |
| | | IACESTRE | - | | 22 | 21 | | 10,40,379 | 1 821 673 | 81,26 28 |
| | | DECEMPE | E | 1 2.5 | .5 | 1090 | 0 501 | 2 | | ., |

DIX 17—concluded

the earnings therefrom during the calendar year 1905.

and is therefore not the same as the total production]

| | • | <u> </u> | | ANIX | IALS | ı | · · · · · · · · · · · · · · · · · · · | i | ₹ | Number | |
|--------------|---------------|-----------------|---------------|------------------|---------------|------------|---------------------------------------|--------------|-------------------|-----------|--|
| I) | l) escs | C _{AT} | 2) TLE | (Surri | 3) 2. ETC | (Elepi | 4) † / IAVIS | 10 | ran. | Main head | Revares |
| Quantity | Earnings | Quantity | Enraings | Quantity | Farnings | Quantity | Earnings | Quantify | Earnings | | |
| Tons | Rs | Tons | Re | Tons | Ra | Tons | its . | Tons | Rs | | |
| 10 | 5 ~61 | 7,114 | 52 471 | 3 832 | ac 0v0 | 1 | 113 | 11,011 | 71 301 | 1 | |
| 316 | 11 118 | 9 000 | 1 70 -03 | 10 712 | 2 35 806 | | - | 23 611 | 4 20 6 7 | 2 | |
| 63 | 1 059 | 235 | 2,154 | 393 ₁ | 20.9 | } | | CD1 | 5 921 | 3 | |
| 1 103 | 75 131 | 2 036 | 78 012 | 4 785 | 1 21 212 | - | 39 | 9,029 | 2 78 374 | 4 | |
| 1 293 | 91,563 | 10 825 | 82 05S | 11,237 | 1 63 680 | | - | 23,8.5 | 3 65 116 | 5 | İ |
| | ~ 392 | ••• PE | en t | " ' | 20= | | , | | 0 774 | 6 | , |
| 2,0 3 931 | 99,993 | 55 3,202 | 891 41,839 | 25 522 | 367 14 009 | 2 | C1 | 33° 7 605 | 8 714 1,55 926 | 8 | |
| 1,129 | 49 660 | 502 | 6,193 | 31 | 1 420 | | | 1 661 | 50,379 | 10 | |
| | | | | | | | | | | |] |
| 5 | 237 | 42 | 453 | 03 | 971 | | | 140 | 1 601 | 11 | |
| 82 | £ 601 | 513 | 3 250 | 135 | 2 3,8 | | | 760 | 21 171 | 12 | * Excluding Rs 443 °21 in respect of ferries and steam boats which are included in the |
| - 1 | | | | | | | | | | 13 | which are included in the |
| 10 | 101 29 146 | 79 4 905 | 1,115 | 11 | 113 | _ | 9.50 | 100 | 1 392 | 14 | |
| 838 | 25 190 | 3 500 | 1,42 431 | 1 CO3 | 43 658 | ត | 2 507 | 7,400 | 2 17 012 | 15 16 | 1 |
| _ | | 135 | 6.9 | " | , | • | | 13ა | 679 | 17 | į |
| 47 | 1,050 | 12 | 518 | 12 | 103 | | | 71 | 2 00-ა | 8 | 1 |
| 18 | 1 507 | 72 | 9.0 | 1 | 22 | | | 157 | 2 01 | 18 | |
| l | | | | | •• | | | | | G | |
| 8 | 115 | 12 | 165 | 1 | 19 | | | 21 | 209 | 19 | |
| 383 | 11,261 | 2,5.3 | 41,315 | 4 595 | 63,502 | | | 7,031 | 1,16 163 | 2 | |
| 10 | 17 2.0 | 11 1 117 | 307 7 619 | 3 86 | 33 123 | • | • | 21 5 014 | 3°1 11 030 | 20 21 | 1 |
| 185 | 5 071 | 163 | 4 149 | 610 | 6,995 | 21 | 410 | 1 016 | 15 02 1 | 23 | |
| 10 | 99 | 4 | 41 | | | | | 14 | 110 | 23 | |
| . | - | ,, | | | | | | | | 24 | |
| | - | | | - | | | | | | 25 | |
| | ł | | | | | | | | | 26 | |
| 1 | FS | 10 | 5 0 | 1 | | | | 11 | 684 | 27 30 | |
| 1 | " | | , 1 | | | | | | 100 | 1 | |
| | , | | | | | | | | | 1 | |
| | į | | į | | | | | | | 20 | Ì |
| - | | | | ł | | | | | | 32 | |
| - | | - | | - | | | | | | 33 | |
| | - 1 | | 128 | | | | | | 128 | 35 | |
| İ | l | | | | | | | | | 36 | |
| ļ | 1 | | 1 | | | | | | | 37 | |
| | | | | | | | | | | 38 | |
| 10,035 | 8 50,467 | 41,103 | 6,39 571 | 41 503 | 7,49 323 | 32 | 3,439 | 98 777 | 17 50 /31 | | |
| 0 500 | 3 85 831 | 31,598 | 6 73 939 | 16 245 | C,92 731 | 3 | 434 | 81 735 | 17 5° 938 | | |
| 105 | 10,573 | 9,505 | | 4 703 | 55 502 | 29 | 2,030 | 14 042 | 33 793 | | XI-1 |
| | | | | | | | | | 1 | | , |

APPEN

Analysis of working of each railway

Note -Railways not shown

| | | | | | | | | | | · | | | | iot shown |
|---------------|--|-----------------------------|--------------|----------------------|-------------------------|----------------------|-----------------|-----------------|--------------------|----------------|-------------------|----------------------|-----------------------|-------------------------|
| | | GAUGE | | 1 | 2 (a) to | 1 | 5' 6' | | | 6 (a) to | 3 (a) & | 9 (a) to | 10 | <u> </u> |
| ber | Particulars | Number | <u> </u> | 1 (a) | Bom | 3 (a) | (a) to (d) | 5 (a) 1 | | (1) | (6) | (7) | (a) & (b) | 11 (a) |
| Serial number | TANTICUDANS | Calen dar year | Bengal | Bengal | bay, | Pastern Bengal | Fast | Ind | าาท | Madris | Nizam's Guaran | North West | Ondh | Assum |
| Soria | | 1905 | Central | Nagpur | and Contral India | Bengal | Indian | GIP | IM | | teed State | ern | Robil Lhand | Ben, al |
| | DUCCONTON OF DISTINAT | | | | | | | | | | | | | |
| | DESCRIPTION OF RAILWAY WORKED | | | | | | } | | | | | | | |
| 1 | Gauge of railway | | 5′ 6″ | 5' 6" | 5' 6' | 5' 6" | 5′ 6″ | 5′ 6′ | | 5'6' | 5' 6 | 5 6' | 2, 6, | 3′ 3,″ |
| 2 | Milcage worked Milcs Number of stations No | | 141 57 28 | 1 693 57 233 | 832 87 132 | 370 42 129 | 2,270 23 378 | 1 C 6 05 200 | 1,170 13 148 | 1,408 12 | ł | 3,863 0 , | 1 | 719 38 |
| 3 4 | Total length of the following gra | | | 1 | 105 | 1 | 0,5 | 200 | 113 | 307 | 45 | 578 | 182 | 106 |
| • | dients — (a) -b and less Miles | | | | | <u> </u> | 5 90 | 19 31 | 1/ | | | 71 12 | 0 19 | 10 10 |
| | (b) -1, to -1, ,, | | | 0 15 | 1 32 | | 1678 | 2 82 | }-6 75 } | 22 21 | | E4 97 | 9:30 | 33 03 |
| | (c) 11 to 11 . ,, | | | 103 90 | 0 50 | } | 40.27 | 61 90 | 11 23 | 52 80 | 79 19 | 123 13 | 6 41 | 25 70 |
| | (d) $\tau_0^1 \tau$ to $\tau_0^1 \sigma$ | | | 570 81 | 168 75 | | 150 25 | 549 90 | 362 91 | 289 69 | 110 00 | 20 80 | 19 15 | 69-09 |
| | (c) ~0x to 300 | | | 141 78 | 63 31 | 597 | 131 88 | 210 95 | 101 61 | 155 58 | 18 22 | 97 43 | 22 E6 | 30-03 |
| 5 | Steepest gradient worked— (a) Longth Itile | | | 0 15 | 1 32 | 200 | 13 34 | 5 79 | 2 10 | 0 80 | 2 52 | 13 65 | 019 | 5 54 |
| | (6) Inclination | | -30 | | 뷺 | 860 | | 15 | ,t | าใก | 1 ¹ 7 | 2,2 | ي | بړي |
| | alle appropriet and the state of the state of the state of the state of the state of the state of the state of | | | | | <u> </u> | | | | | | | | 5. |
| | | Calen | ١. | | | | | | | | | | | |
| | FINANCIAL RESULTS | dar vear 1905 by half | | | | | | | | | | | | |
| 6 | | years Ist half | 1 20 | 2 96 2 25 | 4 18 | 1 81 | 4 10 | 511 | 196 | 2 11 1 96 | 3 10 | C 55 2 45 | 2 26 | -0 15 |
| 7 | Percentage of net carnings for | 2nd , | | | 8 30 | 3 44 | 1 52 | 3 18 | 1 65 | 1 | o 15 | 2 45 | 1′0 | 0 30 |
| | each half year on paid up capi { tal Per cent } | 1st half 2nd ,, | 1 23 | 2 95 2 25 | 3 E0 2 E9 | | | | 1 98 | 2 16 1 °5 | 2 71 2 70 | | | |
| | | | | | | | | | | | | | | |
| | OUTLAY, LARNINGS AND EX PENSES | | | | | | | | | | | | | |
| 8 | (Exclusive of Steam boat Scric) Capital outlay per mile open Rs { | Ist half | 1,03,192 | 1,42 619 | 1,99,705 | 2,84 981 | 28,153 | ° 01 13 | 1,30 CO. | 1 40 521 | 1 20,007 | 1,15 192 | 1 19 027 1,20 254 | 1.53 505 |
| 9 | Total carnings per mile open | 1et half | 181 | 293 | 555 | 578 | 680 | Y | 172 | 2-9 | 257 | อาธ | 1,20 251 2.0 | 78 188 |
| 10 | Total working expenses per | 2nd " 1st half | 138 | 244 1°4 | 460 222 | 635 367 | 636 237 | | 37± 208 | 290 167 | 215 85 | 209 161 | 229 144 | 93 |
| 11 | m-1-1 | 2nd , | 3 38 | 111 | 213 6 67 | 316 4 18 | 233 4 92 | 4 | 201 | 167 4 08 | ნა 1 97 | 155 3 83 | 137 231 | 2 20 |
| 12 | Total working expenses per | 2nd " 1st half 2nd | 2 58 | 3 99 1 93 1 81 | 5 93 2 66 | 2 66 | 171 | 1 | 96 | 3 98 | 4 51 1 61 | 8 52 1 86 | 3 00 1 90 | 2 51 |
| 13 | Wat same as a second | zna , 1st half 2nd ,, | 0 80 | 2 63 2 18 | 2 75 4 01 8 18 | 3 39 1 52 2 42 | 3 21 2 91 | 2 | 18 18 | 2:37 1:72 | 1 59 3 33 | 1 83 | 1 80 1 #1 | 2 13 2 01 - 023 |
| 14 | Cost por 1 000 gross ton miles moved (freight and dend | lst half | 11 69 | 4 76 | 6 41 | 7 38 | 3 36 | | 51 | 6 61 | 3 92 | 169 | 1.21 | 0 17 |
| 15 | weight) ,, ? | 2nd ,, | 76 20 | 5 03 12 27 | 7 17 39 89 | 6 53 63 57 | 3 50 31 80 | 6 41 | 20 | 6 75 57 85 | 4 01 | 5 05 5 25 48 J | 5 37 5 22 57 51 | 14 07 9 55 110 58 |
| 16 | penses on total earnings I er cent? Percentage of tetal working ex | znd " | | 15 47 | 46 38 | 19 76 | 36 64 | | 6G | 59 51 | 34 92 | 51 98 | 59 77 | 81 23 |
| | penses on total earnings, exo'nd ing from both sides of the account the charges for earnings of | Ist balt | 75 79 | 41 06 | 39 27 | CO 07 | 00.00 | 40 | | F. 0 | | | | |
| ı | rovenue stores Per cent | 2nd " | | 48 61 | 45 76 | 63 97 149 53 | 33 32 31 91 | 42 52 | 69 31 | 56 65 58 35 | 82 82 81 64 | 46 S4 48 S6 | 55 12 58 57 | 111 23 80 68 |
| _ | (Inclusive of Steam boat Service) | ľ | | | | | 1 | | | | | 1 | | |
| 17 | Percentage of total working expenses on total ornings (for de finils, see items 123-129) Per cent | st half | 76 20 | 42 78 46 65 | 39 89 46 38 | 63 57 49 76 | 31 95 | 44 | 15 | 57 85 | 33 03 | 48 70 | | 111 11 |
| | 2007 10100 ([1 | ,,, | 1 | 30 09 | 70 92 | 49.40 | 36 96 | 53 | titi | 59 51 | 34.92 | 51.98 | 59 77 | 81 28 |

DIX 18.
(by systems) during each half-year of 1905

do not prepare these statistics

| | GAUGE | | 2′ 6″ | | 1 | | | | | | 4" | 3′ 9 | • | | | | |
|----------------|---|------------------------|------------------|----------------------|---|-------------------|-------------------------------------|------------------|------------------|------------------|-----------------|------------------|------------------|-------------------|------------------|--|--|
| | Number | 1 (e) | 9 (g) & (h) | 30 (a) | 1 (b) | 23 (a) | 22 | 21 (a) to (f) | 20 (a) & (b) | 2 (g)to(m) | | 18 (a) to (c) | 8 (c) | 3 (b) & (c) | 15 (a) | 14 (a) to (d) | 12 |
| Sorial number | Calendar year 1905 | Raipnr Dham tari | Khushal | Kalka Sımla | Jnbbnl pore Gondin exten sion | Udaipur Chitor | (a) to (3) South orn Mah- ratta, | Sonth Indian | Rohil knnd | Raj | Non- | Jodh- | Hydera bnd Go | Enstern Bengal | Bnrma | Bhay nagar Gondul Juna gad Por bandur | Bongal and North West orn. |
| 1 | | 2′ 6″ | 5, ¢,, | 2' 6" | 2' 6' | 3′ 8‡′ | 3′87″ | 3′3]″ | 3'31' | 8′33″ | 8′3]" | 3′32″ | S' 3 <u>]</u> " | 3′ 8}″ | 3 3]" | 3′ 3 <u>1</u> ′ | 3′ 3³″ |
| 2 | | 5621 | 131 98 | 59 44 | 223 75 | 68 72 | | 1,853 47 | Ū | 2,000 63 | 34 90 | 832 83 | 391 13 | 766 24 | 1,810 15 | , | |
| 3 | | 8 | 21 | 20 | 27 | 7 | 213 | 236 | 47 | 291 | 11 | 85 | 47 | 138 | 230 | 61 | 1,547 19 276 |
| 1 | | | 0 96 | 6 00 | | | 15 66 | 0 01 | : | 01 8 | | | | 0 37 | 61 52 | 1 83 | |
| | | | | 2 33 | 28 81 | | 73 42 | 14 01 | 6 41 | 0 23 | | | | 20 0 | 31 83 | 0 28 | |
| }⁴ | | | 43 a5 | 9 94 | 58 53 | 1 10 | 519 73 | 130 82 | 8 56 | 18 75 | | | | 2 05 | 47 78 | 168 | 0 17 |
| | | 18 60 | 36 24 | 8 10 | 87 29 | 20 75 | 265 66 | 243 71 | 4 40 | 360 44 | 7 15 | 168 36 | 221 73 | 21 20 | 155 52 | 123 76 | 2 27 |
| j | | 1 95 | 22 74 | | 13 89 | 6 98 | 98 39 | 103 56 | 6 83 | 173 72 | 0 67 | 61 24 | 13 95 | 15 03 | 107 78 | 64.74 | 2 16 |
| } ₅ | | 2 41 | 9 43 | 27 61 | 0 07 | 0 16 | 15 06 | 0 01 | 3 00 | 3 49 | 0 53 | 2 31 | 5 41 | 0 82 | 9 81 | 1 83 | 0 17 |
| 5° | | 173 | हेड | 3,2 | नेड | 760 | ₹0 | 'n | 70 | */ | 780 | 1 ³ 0 | 131 | T, o | 3 ¹ s | £. | 130 |
| | Calendar year 1905 by half years | , | | | | | | | | | | | | | | | |
| }6 | 1st half 2nd " | 2 44 0 80 | -0 88 -0 71 | 0 77 1 52 | 0 65 0 54 | 2 48 2 02 | 1 75 1 89 | 3 27 3 41 | 3 97 3 95 | 5 61 1 70 | 0 03 | 4 52 4 97 | 3 55 1 47 | 1 95 3 98 | 8 01 1 57 | 3 18 129 | 3 41 2 57 |
| }7 | 1st half 2nd ,, | 2 44 0 89 | | 0 78 1 54 | 0 57 0 51 | | | | | | | | 3 48 1 46 | | | | |
| | | | | | | | | ` | | | | | | | | | |
| } 8 | 1st half 2nd " | 24 823 24,823 | 64,268 65,050 | 2,79,202 2,87,815 | 43,225 51,381 | 30,720 30,720 | 79,426 84 510 | 77,212 77,874 | 47,353 47,829 | 73,146 73,033 | 60,905 | 25 509 25,520 | 66,866 67,001 | 93,470 91,333 | 97,126 97,727 | 49,830 49,823 | 76,882 78,011 |
| 30 | | 44 30 | 44 58 | 214 273 | 38 47 | 56 63 | 137 123 | 201 200 | 133 130 | 284 253 | 39 36 | 78 85 | 179 113 | 178 226 | 252 190 | 105 83 | 166 144 |
| }1 | 1st half 2nd " | 20 21 | 64 69 | 128 90 | 28 36 | 27 33 | 81 77 | 102 95 | 60 74 | 115 116 | 37 37 | 33 36 | 87 71 | 104 91 | 135 137 | 11 47 | 62 62 |
| }1 | 1st half 2nd " | 2 03 1 39 | 1 12 0 99 | 3 91 5 30 | 2 07 2 25 | 3 78 3 98 | 2 80 2 51 | 3 20 2 92 | 3 01 3 13 | 3 81 3 70 | 1 52 1 38 | 3 22 3 5 1 | 3 38 2 83 | 8 14 3 77 | 3 62 2 94 | 4 27 3 61 | 2 87 2 50 |
| 1 | 1st half 2nd ,, | 0 97 | 1 64 1 29 | 2 31 1 93 | 1 19 1 74 | 1 81 2 03 | 1 65 1 57 | 1 62 1 38 | 1 35 1 79 | 1 54 1 69 | 1 41 1 41 | 1 37 1 41 | 1 64 1 86 | 1 84 1 52 | 1 93 2 03 | 1 81 2 05 | 1 03 1 12 |
| }1 | 1st half 2nd " | 1 11 0 89 | -0 52 -0 30 | 1 56 3 37 | 0 58 0 51 | 1 98 1 89 | 1 15 0 91 | 1 58 1 54 | 1 67 1 34 | 2 27 2 01 | 0 11 -0 03 | 1 85 1 93 | 1 71 0 97 | 1 30 2 25 | 1 69 0 92 | 2 46 1 56 | 1 79 1 17 |
| }1 | 1st half | 10 07 13 36 | 22 29 21 51 | 32 63 21 96 | 8 26 9 42 | 9 82 10 39 | 8 51 8 11 | 8 50 7 29 | 7 27 9 18 | 6 15 7 23 | 11 70 11 73 | 6 26 6 58 | 7 61 9 41 | 9 12 6 72 | 8 GG | 9 28 11 35 | 4 G7 5 06 |
| }1 | 1st half | 46 69 71 61 | 146 91 130 53 | 50 97 36 35 | 72 01 77 43 | 17 77 52 37 | 58 99 62 54 | 50 61 47 37 | 1 77 57 29 | 10 33 45 75 | 93 30 102 17 | 42 39 12 25 | 18 15 65 79 | 58 56 40 56 | 53 13 66 62 | 12 36 56 64 | 37 53 43 12 |
| }1 | 1st half 2nd ,, | 13 92 67 97 | 147 94 131 05 | 59 56 36 17 | 68 63 74 12 | 47 75 52 25 | 57 75 61 07 | 50 02 46 78 | 41 18 56 91 | 39 06 14 62 | 93 30 102 17 | 11 70 41 36 | 46 79 63 79 | 55 57 39 19 | rg 25 67 19 | 12 20 56 32 | 36 19 12 00 |
| }1 | 1st half 2nd " | 46 69 71 64 | 150 23 134 10 | 59 97 36 35 | 72 04 77 13 | 47 77 52 87 | 58 99 62 54 | 50 G1 47 37 | 41 30 42 62 | 10 33 15 73 | 93 30 102 17 | 12 30 42 25 | 48 45 65 73 | 61 27 12 01 | 54 00 60 35 | 42 36 56 61 | 30 82 46 16 |

APPEN

Analysis of working of each railway

Note -Railways not shown

| | GAUGE 5' 6" | | | | | | | | | | | | | |
|---------------|---|--------------------------------------|-------------------|--------------------|-----------------------------------|--------------------|--------------------|------------------------------|--------------------------|------------------------------------|---------------------------|-------------------------------|------------------------|--|
| | | Number | | 1 (a) | 1 2 | 3 (a) | 4 | 5 (a) | 6 (a) | 8 (a) | 2(a) | 10 (a) | 11 (a) | |
| nber | Particulars | Calen | | | (a)to (f) Bom | | (a) to (d) | to (f) | to (c) | & (b) | 9 (a) to (f) | & (b) | | |
| Seri-1 number | | dar year 1905 by half years | Bengal Contral | Bengal Nagpur | Baroda and Central India | Eastern Bengal | Fast Indian | Great Indian Peninsula | Madras | Nizam s Guaran teed State | North West- orn | Oudh and Bohil khand | Assam Bongal | |
| | DIVISION OF FAPENDITURE BETWEEN COACHING AND GOODS TRAFFIC | | | | | | | | | 1 | | | | |
| 18 | both corehing and goods traffic oxcluding steam boat exponses, and after deducting telegraph and sundry receipts (in thousands of Rs.) Rs. | 1st half 2nd " | 4,11 | 52,14 46,08 | 45,74 44,66 | 23,92 35,78 | 1,84,10 1,32,48 | 1,51,02 1,46,69 | 58,38 58,43 | 7,17 7,13 | 1,57,44 1,54,03 | 41,74 89,35 | 16 00 14,26 | |
| | Proportions, dividing expenditure in ratio of gross ton mileage (freight and dead load)— | | | | | | | | | | | | | |
| 19 | Coaching in thousands of Rs ,, { | 1st half 2nd " | 2,62 | 12.78 18,41 | 17,68 19,95 | 11,40 18,92 | 33,44 37,88 | 46,04 56,00 | 17,55 17,89 | 1,70 1,76 | 43,28 49,01 | 18,99 19,27 | 7,14 4,74 | |
| 20 | Goods in thousands of Rs ,, { | 1st half 2nd " | 1,49 | 39,36 32,67 | 28,06 24,71 | 12,52 21,86 | 1,00,66 94,59 | 1,04,93 90,69 | 40,83 40,51 | 5,47 5,37 | 1,14,16 1,00,02 | 22,75 20,08 | 8 86 9,52 | |
| | COACHING TEATFIC | | | | | | | | | | | | | |
| | Gross receipts and train mileago (in thousands)— | | | | | | | | | | | | | |
| 21 | Receipts from coaching traffic R_7 $\Big\{$ | 1st half 2nd ,, | 4,22 | 36,65 37,62 | 37,81 36,79 | 18,60 23,41 | 1,16,96 1,22,32 | 84,90 91,37 | 38,51 35,97 | 5,29 5,56 | 96,16 1,03,82 | 35,79 36 22 | 7,04 6,94 | |
| 22 | Coaching train miles run No { | 1st half 2nd ,, | 127 | 1,025 1,119 | 1,090 1 123 | 619 881 | 3,376 3,613 | 3,457 3,665 | 1,0,7 1,076 | 142 144 | 3,781 4,141 | 1,448 1,552 | 272 280 | |
| 23 | Average coaching recoipts per train mile Ps { | 1st half 2nd , | 3 33 | 3 57 3 36 | 3 47 3 28 | 3 00 2 65 | 3 46 3 39 | 2 46 2 49 | 3 64 3 34 | 3 73 3 86 | 2 54 2 51 | 2 47 2 83 | 2 91 2 48 | |
| | * | | | | | | <u> </u> | | | | | | | |
| | Units and Unit mileage | | | | | | | | | | | | | |
| | Numbor of units carried one milo (in thonsands)— | | | | | | | | | | | | | |
| 21 | 1st class Unit miles { | 1st half 2nd " | 54 | 1,592 1,348 | 2,143 1,867 | 1,079 1,022 | 5,107 5,028 | 6,657 9,353 | 2,421 2 237 | 292 289 | 4 067 | 1,836 | 216 | |
| 25 | 2nd ,, ,, { | 1sthalf 2nd " | 269 | 3 134 3,931 | 14 193 12,080 | 2 22 1 3,015 | 12,178 12,410 | 28,916 31,417 | 7,924 9,674 | 2,316 2,183 | 4,906 12,770 | 1,823 | 244 466 | |
| 26 | Srd or intermediate class ,, { | 1st half 2nd " | 1,242 | 7,709 9,008 | 16,980 17,488 | 12,744 14,987 | 51,118 54,925 | 55,801 62 041 | 2,483 2,186 | 4,401 4,478 | 15,336 44 146 | 5 638 21,450 | 443 412 | |
| 27 | 411 1 | 1st half | 22,435 | 241 053 241,457 | 224,022 209,141 | 103,241 131,431 | 720,994 764,710 | 449,198 470,312 | 246,535 235,187 | 29,282 81,018 | 49,653 617,345 | 21,969 206 582 | 383 13,679 | |
| 28 | Lotal var anna unit mila | 1st half 2nd " | 24,000 | 253,288 255,744 | 257,338 | 119,288 150,455 | 789,397 837,073 | 510,572 573,12J | 259 363 249,281 | 36,291 | 650,933 678,328 | 205,683 234,659 | 37,966 44 803 | |
| 29 | Other concluse troffe Man makes | 1st I alf 2nd " | 158 | 1,394 1,919 | 3 155 3,295 | 751 873 | 9,730 9,352 | 8 670 8,572 | 3,176 2,318 | 37,968 498 495 | 720,828 5,970 7,035 | 225,113 1,660 1,835 | 39,036 341 | |
| | Average sum recoived for carrying a unit one mile— | | | | | | | | · | | ., | 1,000 | 315 | |
| 30 | 1st clars Pics { | 1st half 2nd " | 14 30 | 14 61 13 19 | 9 98 10 23 | 13 63 13 59 | 14 76 14 89 | 11 60 10 83 | 12 48 12 41 | 15 80 | 11 66 | 11 81 | 16 18 | |
| 31 | 274 | 1st half 2nd " | 7 41 | 6 81 6 25 | 4 55 4 99 | 6 76 6 31 | 6 51 6 96 | 4 33 4 56 | 5 04 4 17 | 15 51 4 68 4 63 | 11 26 4 75 | 11 90 5 32 | 15 92 7 87 7 79 | |
| 32 | | 1sthalf 2nd " | 3 53 | 3 29 3 21 | 2 99 3-00 | 3 00 2 95 | 3 26 3 27 | 2 99 2 97 | 4 50 4 50 | 2 50 2 50 | 4 80 3 02 | 5 47 3 03 | 4 06 | |
| 33 | 4th or lowest ,, ,, { | 1st hat 2nd " | 3 00 | 2 41 2 39 | 2 23 2 31 | 2 46 2 50 | 2 21 2 22 | 2 15 2 15 | 2 2 ₂ 2 22 | 1 99 1 99 | 2 26 2 26 | 3 03 2 45 | 294 | |
| 31 | | 1sthalf 2nd " | 3 10 | 2 56 2 54 | 2 48 2 56 | 2 70 2 70 | 2 45 2 43 | 2 47 2 51 | 2 46 2 41 | 2 34 2 31 | 2 42 | 2 44 | 2 91 3 08 | |
| 35 | Other coaching traffic per ten " { | 1sthalf 2nd " | 41 04 | 40 22 38 01 | 28-36 27 80 | 47 00 50 09 | 31 71 33 38 | 33 97 36 69 | 32 20 38 66 | 33 86 38 59 | 2 13 38 08 34 72 | 2 64 41 33 40 67 | 3 06 42 54 44 37 | |
| | | | | | WI I | , | | , | | | 0314 | 20 01 | 7± 01 | |

DIX 18—continued

(by systems) during each half-year of 1905-contd.

do not prepare these statistics

| _ | do not prepare these statistics 3' 32' 2' 6'' GAUGE | | | | | | | | | | | | | | | | | |
|----|--|--|--|----------------------------|--------------------------------|-------------------------|------------------------------|------------------------|---------------------------|------------------------|-----------------------|-------------------|---------------------------------|------------------|--|-------------------------|---|---------------|
| | 12 | 14 | 3 (b) - 1 18 -1 2 20 (a) 21 22 | | | | | 23(a) | 1 (b) | 30 (a) | 1 | 1 (e) | Number | - | | | | |
| 1 | e) & (b) Bengal and | (a) to (d) | 15 (a) | & (c) | H3 der | ì | } | (g) to(m) | Rohil | (a) to (f | South | 20(11) | Jubbul | | Khushal | | .] | |
| [] | North Nest | nagur Gondal Tuna- gad Por- bandar | Burma. | Fastern Bengal | abad Goua Vari Valley | Jodh pur Bil aner | Noa khuli (Ben gal) | Raj putana Malwn | knud and Ku maon | South Indian | ern Mah ratin | Udaipni Chitor | pore Gondin exten sion | Kalka Sımla | garh- Kohat- Thal and Nowshera Durgai. | Raipnr Dham tari. | Calendar year 1905 by half years | Serial number |
| | | | i | | | | | | | | | | | | | | | |
| | 24,12 23,45 | 4 09 5 28 | 15 72 46,53 | 19,75 17,50 | 8 95 7,15 | 6 88 7,53 | 33 33 | 57,01 60,27 | 4 37 5,48 | 31,82 32,12 | 31,06 33,40 | 45 56 | 1,63 2,14 | 1,92 1,43 | 2,19 2,31 | 29 31 | 1st half 2nd " | }18 |
| | 9,95 11,70 | 2,42 3,15 | 16,49 18,00 | 7,52 6,19 | 2 65 43 | 2,56 3,52 | 27 25 | 10 47 22,66 | 1 6 9 2,31 | 16 83 14,57 | 10,81 12,24 | 31 41 | 46 69 | 82 61 | 92 1,02 | 7 10 | 1st half 2nd " | }19 |
| - | 14 22 11,75 | 2,57 2,13 | 29,23 28,53 | 11,93 | 5,50 3,72 | 4 02 4,91 | 6 8 | 40,51 37,61 | 2 63 3,17 | 17,99 17,55 | 23,25 21,16 | 14 15 | 1,17 1,45 | 1,10 79 | 1,27 1,32 | 22 21 | 1st half 2nd " | }20 |
| | | | | | | | | | | | | | | | | | | |
| | 20 50 20,29 1,165 | 6 67 6,18 162 | 88 75 30,62 | 17,19 18,01 | 4 FS 1,71 180 | C 35 7,69 213 | £0 26 | 41 77 49 58 | 4 23 1,37 152 | 39,84 37,39 | 21,99 21,55 772 | 59 73 | 60 1,12 32 | 1,90 2,47 | 87 1,08 | 25 22 | 200 ,, | 1 |
| | 1,284 | 179 4 23 | 972 980 3-99 | 612 C12 2 81 2 81 | 199 2 62 2 37 | -74 2 61 | 19 18 1 58 | 1,63° 1,828 2.56 | 146 2 79 | 1 102 1,232 3 34 | 921 2 8 5 | 15 19 8 54 | 190 | 32 33 5-91 | 65 76 1 34 | 12 15 2 15 | 1st half 2nd " 1st half | } |
| - | 2.28 | 3 62 | 3 14 | 281 | 2 37 | 2 61 | 1 39 | 2 71 | 2 99 | ა 03 | 2 33 | 3 79 | 2 69 | 7 39 | 1 42 | 1 49 | 2nd " | , == |
| | į | | | | | | | | | | | | | į | | | | |
| | 484 433 | 219 191 | 1,321 1,232 | 516 498 | 151 156 | 167 214 | 23 | 1,272 1,063 | 163 153 | 1 111 996 | 890 928 | 19 19 | 12 29 | 120 156 | 41 51 | 3 2 | 1st half 2nd ,, | }24 |
| | 1,092 3,194 | 1,300 1,236 | 7,519 3 089 | 1 *36 1,9(r) | 1,771 1,691 | 80G 603 | 15 16 | 3,831 4 260 | 815 1,057 | 5 109 3,926 | 3,334 3,012 | 50 71 | 25 60 | 193 226 | 65 88 | 7 4 | Ist half 2nd " | }25 |
| | 4,538 5,060 | 1,397 1,725 | | 7,313 8,665 | | 1,951 1,9°9 | 19 17 | 10 766 10,792 | 278 272 | | | | 21 61 | | 74 43 | 25 21 | 1st half 2nd " | }26 |
| 22 | 55,182 10,729 | | 219,934 171,446 | 1 | 37,019 36,121 | 46 CO3 57,000 | - 1 | 319 229 390,530 | | | 157,975 158,431 | 4 789 6,030 | 5 195 9,511 | 1,822 1,906 | 6 396 8,079 | 1,449 1,281 | 1st half 2nd ,, | } 27 |
| 2 | 61,246 57,416 | | 224,777 175,767 | 115 078 113,078 | 39,001 | 49,530 69,021 | | 331,098 406,615 | | | 162,199 162,401 | 4,858 6,123 | 5 253 0,661 | 2,135 2,288 | 6,579 8,264 | 1 484 1,308 | 1st half 2nd , | }28 |
| | 593 861 | 264 233 | 99a 99a | 575 930 | 252 173 | 322 372 | 4 | 3,028 3,373 | 147 143 | 837 801 | 1,270 1,129 | 30 28 | 13 30 | 41 58 | 18 33 | 4. 5 | 1st half 2nd ,, | } 29 |
| | 12 84 12 88 | 11 45 11 # | 15 50 15 39 | 14 33 13 99 | 11 11 11 93 | 13.48 13.91 | 14 86 15 00 | 1411 1382 | 26 37 28 10 | 11 75 11 78 | 15 63 15 41 | 17 96 17 33 | , 15 21 15 28 | 49 32 49 32 | 11 79 11 58 | 1694 1541 | 1st half 2nd ,, | }30 |
| | 6 23 6 20 | 5 68 5 67 | 7 8 6 8 19 | 6 75 5 97 | 4 53 4 88 | 6 57 6 71 | 7 47 7 71 | 6 12 6 61 | 9 20 8 67 | 4 60 5 82 | 6 23 6 17 | 8 99 9 00 | 7 89 7 8 6 | 27 48 27 48 | 5 80 5 68 | 7 98 7 3 7 | 1st half 2nd ,, | }31 |
| | 3 12 3 16 | 4 00 4 09 | ` | 300 208 | | 2 85 2 89 | 3 84 3 85 | 298 299 | 4 01 4 01 | | - | | 4 50 3 53 | | 3 00 3 00 | 4 50 4 45 | 1st half 2nd ,, | }32 |
| | 2 00 2 00 | 2 75 2 75 | 3 00 2 99 | 2 50 2 50 | 2 00 2 00 | 2 06 2 06 | 3 00 3 00 | 2 01 2 01 | 2 18 2 20 | 2 03 2 05 | 2 09 2 08 | 195 199 | 2 00 2 00 | 9 00 9 00 | 2 25 2 25 | 3 00 3 00 | 1st half 2nd ,, | }33 |
| | 2 05 2 06 | 2 93 293 | 3 15 3 17 | 2 61 2 65 | 2 16 2 17 | 2 20 2 19 | 3 06 3 07 | 2 14 2 11 | 251 259 | 2 10 2 12 | 225 221 | 2 12 2 12 | 2.07 2.09 | 12 94 18 57 | 2·36 2·35 | 3 07 3 05 | 1st half 2nd " | }34 |
| | 46 33 88 01 | 49 04 47 99 | 38·92 34·74 | 47 11 50 71 | 37 59 43 16 | 39 82 42 89 | 51 01 51 19 | 28 66 27 34 | 61 *3 5 67*33 | 49 99 49 87 | 4171 4165 | 31 13 32 79 | 55·92 42 38 | 213 30 195 91 | 67 90 38 47 | 59 48 43 85 | 1st half 2nd ,, | }35 |

Analysis of working of each railway

Note -Railways not shown

| | | | | | | | | 0" | | | | | ot shewn |
|---------------|--|---|-------------------|------------------|---|----------------------------|------------------|----------------------------------|------------------|---------------------------------|----------------------|---------------------------------|-------------------------|
| | | GAUGE | | 7 (2) | 2 (a) to | | 4(a) | 6" 5 | 6 | 8 | 9 | 10 | 11 (a) |
| aber | Papticulars | ber Calen | | 1 (a) | (f) Bom | 3 (a) | to (d) | | (a) to (c) | (a) & (b) | (a) to (f) | | |
| Serial number | - | dar year 1905 by half years | Bengal Central | Bengal Nagpar | bay, Baroda and Contral India | Fastern Bengal | East Indian | Great Indian Ponin snla | Madras | Nizam 8 Guarin teed State | North West ern | Oudh and Rohil- khand. | Assam Bengal |
| | COACHING TRAFFIC-contd | | | } | | | | | | | { | | |
| | Units and Unit mileage—concle Averago number of units in a train— | | | | | | | | | | | | |
| 36 | 1st class No | { lst half 2nd ,, | 0 42 | 1 36 1 21 | 1 97 1 66 | 174 115 | 1 51 1 39 | 1 93 2 55 | 2 29 2 08 | 0 95 0 92 | 1 07 1 19 | 1 27 1 17 | 0 90 0 87 |
| 37 | 2nd ,, ,, | 1st half 2nd ,, | 2 12 | 3 05 3 51 | 13 02 10 76 | 3 59 3 41 | 3 61 3 44 | 8 36 8 57 | 7 50 8 99 | 7 59 6 98 | 3 38 3 70 | 3 St 3 63 | 1 71 1 58 |
| 38 | 3rd or intermediate class ,, | 1st half | 9 80 | 7 o2 8 0o | 15 58 15 58 | 20 57 16 96 | 15 14 15 20 | 16 14 16 93 | 2 35 2 03 | h (| 11 67 11 99 | 14 81 14 15 | 1 51 1 57 |
| 39 | 4th or lowest ,, ,, | { 1st half 2nd ,, | 176 97 | 235 10 215 85 | 205 56 186 31 | 166 68 148 69 | 213 55 211 68 | 129 92 128 31 | 233 24 218 54 | } 110 35 | 163 15 157 18 | 142 72 132 50 | 160 33 135 65 |
| 40 | Total passenger units ., | { 1st half 2nd ,, | 169 31 | 217 03 228 62 | 236 13 214 31 | 192 58 170 21 | 233 81 231 71 | 156 35 156 36 | 245 38 231 64 | 118 92 121 36 | 179 27 174 06 | 162 11 151 45 | 161 45 139 47 |
| 41 | Other coaching traffic Tons | | 1'25 | 1 36 1 71 | 2 90 2 94 | 1 21 0 99 | 2 88 2 59 | 2 51 2 34 | 3 00 2 15 | 1 63 1 58 | 1 58 1 70 | 1 15 1 18 | 1·25 113 |
| | VEHICLES AND VEHICLE | | | | | | | | \- <u>'</u> - | | | | |
| | Number of coaching vehicles haul- ed one mile (in thousands)— | | | | | | | | | | | | |
| • 42 | 1st class Vehicle miles | 1st halt 2nd ,, | 91 | 1 224 1,247 | 927 950 | 691 984 | 4 308 4,527 | 5,063 5,630 | 1,376 1,366 | 358 361 | 4 133 4,707 | 1,804 1,815 | 398 ['] 420 |
| 43 | 2nd ,, | 1st half | 132 | 1 160 1,235 | 2 093 2,094 | 649 972 | 4 745 5,057 | 5 765 6,280 | 1,627 1,597 | 395 359 | 4,099 4,781 | 1,502 | 391 418 |
| 41 | 3rd or intermediate class " | { 1st half 2nd ,, | 166 | 1,096 1,135 | 799 913 | 1,359 1,767 | 4 619 5,435 | 3,641 4,033 | 262 256 | h | 4,821 5,237 | 2,487 2,526 | 357 194 |
| 45 | 4th or lowest ,, ,, | { 1st half 2ad ,, | 931 | 10,519 9,589 | 8,926 8,920 | 4,589 6,488 | 30,610 33,477 | 20,529 21,998 | 9 551 9,663 | 1,624 | 31 308 32,926 | 9 646 10 119 | 2,901 8,044 |
| 46 | Other vehicles " | 1st half | 253 | 986 959 | 1,778 1,860 | 981 1,310 | 5,265 4,965 | 5,906 6,056 | 1,485 1,419 | 161 163 | 3,205 4,278 | 855 812 | 498 519 |
| 47 | Brake vans " | 1st hali 2nd ,, | 175 | 1,863 1,887 | 1,493 1,464 | 674 1,025 | 6,114 6,321 | 6,040 6,3.8 | 2,277 2,317 | 363 363 | 6,181 6,235 | 2,522 2,586 | 296 296 |
| 48 | Total ,, | { lst half 2nd ,, | 1,748 | 16,818 16,052 | 16,016 16,181 | 8 946 12,546 | 55,664 -9,782 | 46,944 50,815 | 16,578 16,648 | 2,901 2,925 | 53,747 58,167 | 18,816 19,563 | 4 836 4,891 |
| | Average number of vehicles in a coaching train— | | | | | <u> </u> | | | | | | | |
| 49 | 1st class Ne | { 1st half 2nd ,, | 0 72 | 1 20 1 11 | 0 85 0 83 | 1 12 1 11 | 1 27 1 25 | 1 46 1 5 £ | 1 30 1 27 | 1 17 1 15 | 1 09 1 14 | 11 25 1 19 | 1 14 1 50 |
| 50 | 2nd " | { 1st half 2nd ,, | 104 | 1 13 1 10 | 1 92 1 86 | 1 05 1 10 | 1 41 1 40 | 1 67 1 71 | 1 54 1 48 | 1 30 1 15 | 1 08 1 16 | 1 04 1 08 | 1 43 1 49 |
| 51 | 3rd or intermediate class " | { 1st half 2nd ,, | 1 31 | 1 07 1 01 | 0 74 0 81 | 2 19 2 00 | 1 37 1 50 | 10a 110 | 0 25 0 21 | h | 1 27 1 26 | 1 72 1 62 | 1 31 0 69 |
| 52 | 4th or lewest ,, ,, | { lst half 2nd ,, | 731 | 10 26 8 57 | 8:19 7:95 | 7 41 7 34 | 9 07 9 27 | 5 04 6 00 | 9 04 8 98 | 5 32 | 8 28 7 95 | 6 66 6 52 | 10 65 10 88 |
| 53 | Other vehicles ,, | { lst half 2nd " | 2 00 | 0 95 0 86 | 1 63 1 66 | 1 58 1 43 | 1 56 1 37 | 1 71 1 79 | 1 40 1 32 | 0 53 0 54 | 0 85 1 03 | 0 59 0 52 | 1 83 1 85 |
| 54 | Brale vaus ,, | { let balf 2nd ,, | 138 | 1 82 1 69 | 1 57 1 30 | 1 09 1 16 | 181 175 | 1 75 1 72 | 2 15 2 18 | 1 19 1 16 | ,1 63 1 51 | 1 74 1 67 | 1 09 1 06 |
| 55 | Total ,, | 1st half 2nd ,, | 13 79 | 1643 1434 | 14 70 14 41 | 11 44 14 19 | 16 49 16 54 | 13 59 13 86 | 15 68 15 47 | 9 51 9 35 | 14·20 14·05 | 13 00 12 60 | 17 75 17 17 |
| | Average earnings per coaching vehicle per mile— | | | | | | | | } | | } | | |
| 56 | 1st class Pics | { lst half 2ad ,, | 8 45 | 16 62 14 26 | 23 07 20 64 | 21 19 14 12 | 17 50 16 54 | 1525 1500 | 21 96 20 52 | 12 88 12 41 | 11 18 11 74 | 12 02 11 76 | 10 11 9 25 |
| 57 | 2nd , , | { 1st half 2nd ,, | 15 12 | 18 39 19 91 | 30 83 28 76 | 23 18 19 60 | 16 70 17 08 | 21 74 22 79 | 24 55 ,25 25 | 27 40 28 13 | 14 78 15 40 | 17 19 18 11 | 9 58 8 02 |
| 58 | Crd or intermediato class " | 1st half 2nd | 26 44 | 23 85 25 55 | 63 5a 57 44 | 28 09 25 03 | 36 09 ,3 05 | 45 88 45 75 | 42 62 88 37 |] [| 27 62 28 58 | 20 10 26 32 | 4 69 7 98 |
| 59 | ith or lovest ,,, | { lst half End ,, | 70 16 | 55 11 60 27 | 56 07 54 19 | 55 31 50 61 | 52 78 50 65 | 4707 4595 | 58 20 54 14 | 12 70 4 | 41 62 44 68 | 52 18 49 J9 | 44 34 36 26 |
| 60 | Other vehicles ,, | ist half 2nd ,, | 25 60 | 56 85 76 11 | 50 C3 49 26 | 35 9 ₆ 33 39 | 5S 70 62 88 | 19 57 1 17 97 | 68 87 63 16 | 104 95 114 11 | 61 99 57 10 | 80 29 91 89 | 29 18 26 94 |
| | |] | | | 1 | | <u> </u> | i | | | 1 | | |

(by systems) during each half-year of 1905-contd

do not prepare these statistics

| | do not ; | prepare | these state | stics | | | | | | | | | | | | | | |
|----------|---------------------------------------|---|------------------|-------------------------|--------------------------------------|------------------------|--------------------------|------------------------|------------------------------------|---------------------|------------------------------|------------------|---|-----------------------|--|-----------------------------|---|------------------|
| | 110.00 | 1 7443 | 1 | | | | 33" | | | | | | 1 | | 2′ 6″ | | GAUGE | Ī |
| | 12 (a) & (b) | to (d) Bhay | 15 (a) | 3 (b) and (c) | 8 (c) | 18 (a) to (c) | 11 (b) | 2 (g) to (m | 20 (a)& (b) | 21 (a) to (f) | 22 (a) to (t) | 23 (a) | 1 (b) | 30 (a) | 9 (g) & (h) | 1 (e) | Number | |
| ∳ | Bengal and North West ern | nagar Gondal Juna- gad Por bandar | Burma | Eastern Bungal | Hydera bid Go davari Valley | Jodh pur Bikaner | Noa khalı (Bengal) | Raj putana Malwa | Rohil Lund and Kum aon | Sonth Indian | Sou thern Mahrat ta | Udaipn Chitor | Jubbnl pore Gondia exten sion | Kalka Sımla | Khnshal garh Ko hat Thal and Now shera Dnrgai | Raipar Dhamtari | Calendar year 1905 by half years | Serial number |
| | 0 42 0 34 | 135 108 | | 0 84 0 78 | 0 63 0 51 | 0 69 0 78 | 0 08 0 13 | 0 78 0 58 | 1 07 1 05 | 0 93 0 81 | 1 15 1 01 | 1 06 0 97 | 039 071 | 3 77 4 66 | 0 6S 0 71 | 0 24 0 12 | 1st half 2nd ,, | } 86 |
| | 0.91 | 8 01 6 90 | 3 62 3 15 | 2 51 2 97 | 6 19 5 47 | 3°31 2°91 | 0 79 0 85 | 2 35 2 33 | 5 38 7 24 | 4 54 3 19 | 4 32 3 29 | 2·84 3 88 | 0 77 | 6 02 | 0.99 | 0 58 | 1st half | } }37 |
| | 3 91 3 89 | 8 61 7 41 | | 12 00 13 J0 | | 8 03 7 31 | 0 97 0 93 | 6 60 5 90 | 1 77 | 515 | | 9 05 | 0 67 | 6 76 | 1 15 1 13 | 0 27 2 18 | 2nd ,, | }38 |
| | 218 99 195 30 | 232 19 200 58 | 226 35 171 91 | 172 68 158 98 | 129 25 117 68 | 191 57 208 31 | 91 52 81 67 | 195 04 218 63 | 179 55 185 65 | 283 89 255 07 | 204 74 171 37 | 272 52 | 1 46 163 50 229 38 | 56 97 | 0 57 98 30 | 1 43 124 63 | 2nd " 1st half | }39 |
| | 224 24 200 51 | 250 16 215 97 | 231 34 179 82 | 188 03 176 23 | 136 07 123 66 | 203 60 219 34 | 96 36 83 58 | 201 77 222 41 | 187 77 | 289 36 | 210 21 | 315 05 276 42 | 165 33 | 57 01 66 76 | 106 08 101 10 | 86 76 127 63 | 2nd ,, | Ľ |
| | 0 51 0 67 | 1 63 1 30 | 0 93 1 01 | 0'91 1 45 | 0 88 0 56 | 1 32 1 36 | 0 19 0 19 | 186 184 | 195 80 0 97 | 259 07 0 70 | 165 | 319 90 1 70 | 232 99 0 42 | 68 43 1 29 1 72 | 108 51 0 29 | [88 59 0 34 | 1st half 2nd ,, 1st half | }40 |
| | | | | | | 1 30 | | 1 04 | 0 98 | 0 65 | 1 22 | 1 46 | 0 72 | 1 72 | 0 43 | 0 36 | 2nd " | }41 |
| | 2,012 2,177 | 271 281 | 1,511 1,508 | 807 799 | 311 360 | 357 367 | 14 14 | 2,248 2,451 | 231 247 | 1,179 1,205 | 1,207 1,487 | 21 21 | 42 56 | 83 45 | 3 <u>4</u> 36 | 6 | lst half | }42 |
| | 1,862 1,929 | 381 419 | 1,776 1,788 | 671 726 | 369 393 | 361 359 | 13 11 | 2,151 2,381 | 205 229 | 1,447 1,421 | 1,236 1,310 | 20 26 | 42 56 | 34 | 34 | 5 5 | 2nd ,, 1st half | } 43 |
| | 2,067 2,147 | 289 296 | | 1,260 1,418 | | 433 413 | 23 10 | 1,170 1,170 | 116 144 | 1,221 | 2,010 | 40 | 21 32 | 47 | 35 91 | 5 אַ ר | 2nd " 1st half | }44 |
| | 18,217 19,767 | 2,205 2,494 | 14,812 14,600 | 5,880 6,516 | 1,º80 1,790 | 3,142 3,590 | 163 155 | 21,393 25,512 | 1 093 1,989 | 16 737 16,914 | 9,765 10,974 | 264 315 | 662 866 | 125 151 | 33 492 522 | 128 118 | 2nd " 1st half | }45 |
| | 409 459 | 128 131 | 894 894 | \$32 1,320 | 158 139 | 321 353 | | 1,423 1,829 | 60 | 1,976 2,013 | 991 1,055 | 7 8 | 25 33 | ا (191 | 38 82 |) (8 8 | 2nd " 1st half 2nd " | }40 |
| | 2,707 2,921 | 414 443 | 1,313 1,359 | 687 705 | 298 292 | 845 859 | 27 26 | 3 964 4,259 | 291 292 | 1,230 | 1,423 1,631 | 56 55 | 18 21 | 83 82 | 93 | 16 | 1st half | }47 |
| | 27,331 | 8 69 £ | | 10,137 | 3,149 | 5,462 | 240 | 32 354 | 2 896 | 1,209 | 14,622 | | | | 59 | 20 | 2nd ,, | ' |
| 2 | 29,403 | 3 864 | 20,235 | 11,514 | 3,149 2,974 | 5,971 | | 37,602 | 2,969 | 22,569 22,762 | 16,307 | 368 425 | 810 1,064 | 275 325 | 712 767 | | 1st half 2nd ,, | }48 |
| | 1 75 1 69 | 1 69 1 57 | 1 56 1 54 | 1 32 1 21 | 1 20 1 17 | 1 47 1 31 | 0 70 0 74 | 1 38 1 34 | 1 52 1 69 | 0 99 0 98 | 1 56 1 39 | 1 18 1 11 | 1 32 1 36 | 1 03 1 33 | 0 53 0 47 | 0 47 0 36 | 1st half 2nd ,, | }49 |
| | 1 60 1 50 | 2 S6 2 S3 | 1 83 1 82 | 1 10 | 1 29 | 1 1S 1 31 | 0 70 0 75 | 1 32 1 30 | 1 35 1 57 | 1 21 1 15 | 1 60 1 42 | 1 14 1 33 | 1 32 1 36 | 1 06 1 42 | 0 53 0 46 | 0 47 0 36 | 1st half 2nd ,, | }50 |
| | 1 78 1 67 | 1 78 1 65 | | 2 06 2 25 | | 1 78 1 62 | 1 19 0 55 | 0 72 0 64 | 0 77 0 99 | | | | 0 66 0 77 | | 0 48 0 43 |] 10 98 | 1st half 2nd ,, | } 51 |
| | 15 66 15 40 | 13 58 12 82 | 15 24 14 89 | 9 60 10 16 | 6 91 5 78 | 12 93 13 12 | 8 51 8 39 | 13 11 18 96 | 13 14 13 62 | 14 05 13 73 | 12 66 11 87 | 15 05 16 45 | 20 83 20 88 | 3 93 4 50 | 7 55 6 85 | 1 8 nn i 1 | 1st half 2nd ,, | }52 |
| | 0 35 0 36 | 0 79 0 73 | 0 92 1 00 | 1 36 2 06 | 0 55 0 45 | 1 93 1 29 | 0 02 0 02 | 0 87 1 00 | 0 40 0 16 | 1 66 1 64 | 1 29 1 14 | 0 38 0 44 | 0 79 0 78 | 259 | 0 58 1 08 | 0 71 0 50 | 1st half 2nd ,, | } 53 |
| | 2 32 2 28 | 2 55 2 48 | 1 35 | 1 12 1 10 | 1 04 0 94 | 3 47 3 14 | 1 40 1 40 | 2 43 2 33 | 1.92 2 00 | 1 03 0 98 | 1 84 1 82 | 3 18 2 85 | 0 56 0 50 | 2 46 | 1 28 0 77 | 1 36 1 37 | 1st half 2nd ,, | }54 |
| | 23 46 22 90 | 22 75 21 58 | 20 J0 20 64 | 16 56 17 94 | 10 99 9 61 | 22 45 21 83 | 12 52 11 85 | 19 83 20 57 | 19 10 20 33 | 18 94 18 48 | 18 95 17 64 | 20 93 22 18 | 25 48 25 65 | 8 G1 9 71 | 10 95 10 06 | 13 [.] 99 10 59 | 1st half 2nd " | } 55 |
| إد | 804 | 9 14 | 13 58 | 9 18 | 601 | 6 53 | 1 80 | 7 98 | 18 57 | 11 07 | 11 53 | 16 06 | 4 51 | 181 07 | 15 01 | 8 78 | 1st half |) _~ _ |
| | 2 56 3 65 | 7 90 | 12 57 15 53 | 8 71 15 45 | 5 20 21 78 | 8 09 14 65 | 2 69 8 42 | 5 99 | 17 40 36 57 | 9 73 17 21 | 11 12 | 15 33 | 7 94 4 60 | 200 81 156 65 | 17 35 | 5 22 | 2nd ,, | }56 |
| | 3 83 6 81 | 16 73 19 30 | 14 16 | 15 70 | 21 01 | 15 07 12 87 | 8 67 3 15 | 11 87 27 47 | 9 23 | 16 10 | 14 34 | 22 34 26 15 | 8 32 4 55 | 136 81 | 14 31 | 5 57 | 2nd ,, | }57] |
| | 7 45 | 17 95 47 02 | 44 60 | 17.51 17.83 41.93 | 37 43 | 13°03 30 52 | 6 47 | 27 59 29 95 | 7 57 | 40 94 | | 36 13 | 3 6 69 15 70 | 130 43 | 7 12 3 90 | - 34 93 | 2nd ,, | }58 • |
| | 25 33 67 22 | 43 04 99 17 | 35 13 39 32 | 39 14 | 40 68 60 01 | 32 74 | 33 29 29 21 | 30 75 | 29 79 29 99 149 04 | 35 02 21 18 | 33 83 30 09 57 26 | 38 18 140 37 | | 132 95 106 42 | 29 28 34 85 | Y. | 104 2-70 | } 59 |
| | 71-35 | 85 37 | 35 26 | 35 71 | 53 73 | 39 55 45 21 | | 50 42 | 142 32 | 19 93 | 47 78 | 107 43 | | 136 58 | 32 41 15 47 | 28 76 31 38 | 1st half 2nd " | } 60 |
| 1 | | t | | ı | } | | , | | | | | | | | اِ | | <u>i</u> | |

APPE

Analysis of working of each railwi

| | | | | | | | | | | 7 | Tote —R | aılways 1 | ot sho |
|--------------|--|----------------------------------|-------------------|--------------------|---|--------------------|------------------------|------------------------------|--------------------|---------------------------------|----------------------------|-------------------------------|--------------------|
| - | 1 | GAUGE | 1 | | | | 5′ | G' | | | | | T |
| 24 | | Vnmbor | | 1 (a) | 2 (a) to | 3 (a) | 4 (a) to (d) | 5 (a) to (f) | 6 (a) to (c) | 8 (a) & (b) | 9 (a) to (f) | 10 (a) & (b) | 11 (a |
| Sorn! number | Particulars | Calendar year 1905 hy half years | Bengal Central | Bengal Nagpar | Bom bay Baroda and Contral India | Castern Bongal | | Groat Indian Poninsula | Madras | Nizam's Guaran tood State | North West ern | Ordh and Rohil Lhand | Aesar Benga |
| | COACHING TRAFFIC—contd VEHIOLES AND VEHICLE MILEAGE— concld Carrying capacity hanled one mile (excluding brakes) (in thousands)— | 1 | | | | | | , | | | | | |
| 61 | 1st class Seats | 1st half 2nd ,, | 1,506 | 10,847 10,487 | 23 244 22,474 | 15,111 21,120 | 60,390 63,670 | 67,310 79,300 | 12,750 12,897 | 4,916 4,852 | 64,603 76,125 | 39 214 10,124 | 4,59 4,91 |
| 62 | 2nd ,, , { | 1st half 2nd , | 2,551 | 15,463 16,754 | 78 051 74,769 | 15 627 23,796 | 105,667 110,639 | 155,342 171,570 | 27,001 26,749 | 8,580 7,760 | 81 142 95,826 | 33,161 35,800 | 4,56 4,88 |
| 63 | 3rd or intermediate class " | 1st half 2nd | 8,960 | 36,186 38,105 | 36 026 40,997 | 60,185 83,590 | 212,493 233,642 | 196,458 221,335 | 10 391 10,164 | 69,652 | 168,510 180,377 | 86,777 88,110 | 7,821 5,24: |
| 64 | 4th or lowest olaes ,, | lst half 2nd ,, | 50,885 | 569,757 516,104 | 500,535 491,111 | 259,927 366,900 | 1,765,218 1,913,681 | 1,038,117 | 559,874 566,134 | 91,845 | 1,662,398 1,743,812 | 55°,542 588,263 | 103 63; 107,00; |
| 65 | Other vehicles Tons | 1st half 2nd ,, | 3,038 | 8,407 8,293 | 8,871 19,016 | 9,890 16,680 | 51,049 46,601 | 29,608 32,257 | 8,962 8,279 | 875 931 | 40,906 56,595 | 23,390 23,619 | 1,530 1,580 |
| | Porcentage of freight upon capacity | , , | | | , | -0,000 | , | | } | | 50,000 | | 2,000 |
| 66 | 1 | ist half 2nd ,, | 3 57 | 13 46 12 84 | 9:22 8:31 | 7 13 4 8 1 | 8 15 7 90 | 9 83 11 79 | 18-99 17-31 | 5 04 5 04 | 6 30 | 4 68 4 54 | 5 31 4 97 |
| 67 | 2nd ,, , , { | 1st half 2nd ,, | 10 53 | 20 27 23 46 | 19 18 16 16 | 14 23 12 67 | 11 53 11 22 | 18 61 18 31 | 28 71 36 17 | 27 00 28 14 | 1574 1600 | 1445 1575 | 10 21 9 07 |
| 68 | Brd or intermediate class ,, | 1st half 2nd " | 13 57 | 21 30 23 64 | 47 13 42 66 | 21 17 17 93 | 24 06 23 51 | 25 10 28 03 | 23 89 21 51 | 37 57 | 26 20 27 53 | 24 72 21 93 | 5 27 7:30 |
| 69 | 4th or lowest class ,, } | 1st half 2ad ,, | 44 09 | 42 31 46 78 | 41 76 42 59 | 39 72 35 82 | 40 78 39 96 | 43-27 42-22 | 44 03 41 52 | \$ 88 65 4 | 87 14 37 53 | 36 92 31 96 | 42 39 35 18 |
| 70 | Other vehicles " | 1sthalf 2nd " | 5 20 | 16 58 23 15 | 35 57 32 90 | 7 59 5 23 | 18 00 20 07 | 29 28 26 58 | 35 75 28 00 | 56 87 53 19 | 14 60 12 ₂ 3 | 7 10 7 76 | 22 27 19 67 |
| | WEIGHT OF TRAIN AND TON MILEAGE Gross ton mileago of all conohing | " · | | 20 10 | -020 | | 2001 | 2000 | 25 00 | | 1245 | | 19 64 |
| 71 | trains (in thousands)— Freight Ton miles | 1st half | 1,117 | 16,710 17,397 | 18 °69 18,047 | 7,996 | 57,511 | 41,919 | 18 202 | 2,733 2,629 | 47,098 | 15,969 | 3,019 2,676 |
| 72 | Dead weight | 1st half | 26,236 | 251,958 | 256,892 | 10,002 116,359 | 938 0 3 | 43,962 769,193 | 17,558 216 509 | 40,655 | 50,768 809,189 | 16,128 937,599 | 47,672 |
| •- | Denu freigne | 2nd ,, | | 248,895 | 260,115 | 203,111 | 1,021,463 | | 247,723 | 41,103 | 682,063 | 3,3,082 | 46,925 |
| 73 | Total , , } | 1st half 2nd ,, | 27,683 | 263,668 266,292 | 275,861 278,162 | 151,355 213,113 | 915,511 1,081,189 | 831,142 902,519 | 265,501 26ა,281 | 43 888 43,932 | | 353 508 369,210 | 50,721 49,604 |
| 74 | Average weight of a coaching train- Freight Tons { | ist half 2nd ,, | 11 42 | 1630 1556 | 17 11 16 07 | 12 91 11 31 | 17 04 16 62 | 12 13 11 99 | 17 97 16 31 | 8 96 9 01 | 12 15 12 20 | 10 99 10 39 | 11 19 9 56 |
| 75 | Dead weight ,, { | ist Laif 2nd ,, | 206 95 | 215 73 222 49 | 235 72 231 70 | 236 29 229 78 | 277 84 282 75 | 228 26 234 23 | 233 21 230 19 | 193 22 131 33 | 213 º2 213 00 | 233°23 227 45 | 174 99 167 66 |
| 76 | Total , { | ist half 2nd ,, | 218 87 | 262 03 238 0a | °53 13 247 77 | 249 20 241 09 | 291 FS 299 37 | 210 S9 246 22 | 231 18 216 50 | 342 18 140 12 | 226 37 225 26 | 214 22 237 84 | J86 15 177 22 |
| 77 | COST OF WORKING AND PROFITS— | 1st half 2nd " | 2 06 | 1 25 1 19 | 1 62 1 78 | 1 84 1 58 | 0 99 1 05 | 1 33 1 53 | 1 66 1 66 | 1 20 1 22 | 1 11 1 18 | 1 31 1 24 | 2 62 1 69 |
| 78 | mile Pies | 1st half 2nd ,, | 3193 | 1638 1817 | 23 37 26 03 | 26 45 23 20 | 1039 11 00 | 21 61 21 16 | 23 56 21 03 | 12 86 13 20 | 17 47 18 12 | 22 38 21 79 | 30 19 19 79 |
| | Average cost of hauling a coach ing unit one mile— | let holf | 1 83 | 0 90 | 1 18 | 1 57 | 073 | 1 42 | 1 19 | 0 61 | 1 15 | 1 48 | 0 55 |
| 79 | c | 1st half 2nd ,, 1st half | 39 79 | 0 94 | 1 42 | 153 | 0 79 6 63 | 1 62 | 1 27 | 0 82 | 1 20 | 1 50 | 2 75 2 09 |
| 80 81 | Other traffic per ton , , } | 2nd ,, | | 8 19 | 12 86 | 41 93 | 6 72 | 16 83 | 12 18 | 471 506 | 10 45 | 8 99 | 39 92 29 61 |
| οī | Average profit on working a coaching train one mile Rs \ Average profit on working a coach ing rehicle one mile— | st half 2nd ,, | 1 27 | 2 32 2 17 | 1 85 1 50 | 1 16 1 07 | 2 47 2 34 | 1 13 0 95 | 1 93 1 63 | 2 53 2 64 | 1 40 1 33 | 1 16 1 09 | 0 29 |
| 82 | ~ (| isthalf 2nd " | -23.48 | 0 21 -3 91 | -0 30 -5 39 | -5 26 -5 03 | 7 11 5 54 | -6 36 -6 16 | -1 60 -371 | 0 02 -079 | -5 99 -6 38 | | -20 08 10 54 |
| 83 | 2nd , , { | 1st half 2nd ,, | -1681 | 2 01 1 74 | 7 46 2 73 | -3 27 -3 60 | 6 31 6 08 | 0 13 1 37 | 0 99 1 22 | 14 54 14 93 | -269 -272 | _5 19 _3 38 | -20 81 -1177 |
| 81 | 3rd or intermediate class " { | lst half 2nd ,, | -5 49 | 7 47 7 38 | 40 18 31 41 | 1 64 1 83 | 25 70 22 05 | 24 27 21 59 | 19 06 14 34 | 29 84 | 10 15 10 46 | 3 72 4 53 | -25 50 -11 81 |
| 85 | | Ist half 2nd ,, | 36 23 | 38 73 42 10 | \$2 70 28 10 | 28 89 27 44 | 42 39 39 65 | 25 44 21 79 | 34 64 30 11 | 30 40 | 27 15 26 56 | 30 10 27 80 | 14 15 16 47 |
| 86 | 011-1-1-1-1-1 | 1 | -6 33 | 40 47 57 94 | 26 96 23 23 | 9 51 10 19 | 48 21 51 88 | 28 26 23 81 | 45-31 39 13 | 92 09 100 91 | 47 52 38 98 | 57 91 70 10 | -1 01 7 15 |
| | The state of the s | | ļ | 1 | | | <u> </u> | - | j | | | | |

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DIX 18—continued.

(by systems) during each half year of 1905—contd

do not prepare these statisties

| do not p | roparotn | oso statis | ties | | | ···· | | | | | | | | | | | |
|---------------------------------------|---|--------------------|--------------------|---|-----------------------------|------------------------------|------------------------|------------------------------------|------------------------------|------------------------------|------------------|--|--------------------|--|--------------------|--|-----------------|
| 12 | 11 | T | 1 8 (b) | T | 18 | 3 33" | 1 0/2 | 100 () | 7 | | <u>, — — </u> | _ | 2'6' | | | GAUGE | Ī |
| (a) & (b) | (a) to (d) | 15 (a) | & (c) | 8 (c) | (a) to (c) | (11) (6 | 2 (g) to (m) | -ļ | (a) to (f | (a) to (j) | 23 (6) | 1 (1) | 30 (a) | ባ(ታ) & (ሕ) | 1(e) | Nn mber | ä |
| Bengal and North West ern | nagar Gondal- Jnna gad Por bandar | Burma | Eastern Bengal | Hyder abad Goda varı Valley | Jodh pur- Bika ner | Noa khalı (Eon gal) | Rajpu tana Malwa | Rohil kund and ku mron | Sonth Indian | Sonth ern Mah ratta | Udaipn Clutor | Jnbbnl pore Gonda exten sion | Kalka Sımla | khushal garh ke hat Thel nud Now shera Durgai | Raipur- Dhamtar | Calendar year 1003 by half- years | , = |
| | | | | | | | | | | | | | | | | | |
| 18,959 20,092 | 2,800 2,912 | 15,077 15,141 | 9,014 8,906 | 6,467 6,758 | 3,672 3,831 | 144 150 | 23,917 | 2,767 2,971 | 11,002 11,517 | 9,862 10,491 | 207 270 | 126 147 | 406 450 | 426 498 | \$3 32 | let half and | }61 |
| 27,708 28,441 | 5 167 5,520 | 29,378 29,648 | 8,027 8,707 | 8,311 9,027 | 4,336 4,305 | 114 149 | 25 818 28,51 | 2,460 2,746 | 16,006 16,631 | 15,1º8 16,239 | 211 307 | 126 169 | 59 <u>4</u> 841 | 426 488 | 33 32 | 1st half 2nd ,, | }c2 |
| 44 783 46,203 | 3,921 4,071 | | 23,408 27,628 | | 11,154 11,ժ98 | 490 276 | 29,391 29,2°0 | 2,279 3,265 | | | | 84 113 | | 901 261 | 3,990 | 1st half 2nd ,, | }63 |
| 537,072 580,321 | 65,421 69,829 | 440,196 433,911 | 171,567 189,509 | 96,122 95,400 | 96,098 111,061 | 5,778 5,493 | 700 901 832,391 | 71,149 73,671 | 512,214 548,878 | 313,805 353,416 | 7,665 9,17a | 20,010 24,071 | 3,016 3,613 | 11,8º3 12,612 | 3,707 | 1s' half 2nd " | }64 |
| 1,110 1,481 | 498 511 | 2,835 3,0 9 | 5,095 8,079 | 833 611 | 3,960 4,126 | 1 | 7,685 9,810 | 229 283 | 4 855 5,117 | 2,761 3,046 | 27 3± | 88 114 | \$23 329 | 113 244 | 12 11 | 1st half 2nd " | }65 |
| 2 55 2 15 | 7 81 6 67 | 8 78 8 14 | 5 73 5 58 | 2 80 2 81 | 4 55 5 58 | 1 12 1 64 | 5 63 4 15 | 5 87 5 14 | 10 10 8 63 | 9 0 2 8 85 | 9 01 6 95 | 9 88 19 99 | 29 G1 28 31 | 10 30 10 57 | 8 G1 5 G1 | let half 2nd | }66 |
| 3 94 4 20 | 25 16 22 39 | 11 98 10 42 | 19 14 21 93 | 21 31 18 77 | 18 59 18 72 | 10 43 10 35 | 14 84 14 91 | 33 13 38 50 | 33 80 23 61 | 21 93 18 73 | 20 71 24 51 | 19 41 85 29 | 32 46 26 91 | 15 19 17 93 | 20 59 12 60 | lst balf | } ₆₇ |
| 10 13 10 95 | 85 63 82 58 | | 31 37 31 37 | | 17 52 17 54 | 3.80 6.21 | 36 63 26 84 | 11 77 832 | | | | 25 18 53 70 | | 8 91 4 18 | 3691 | 1st half | }68 |
| 47 50 43 21 | 57 62 51 42 | 49 96 89 51 | 61 60 53 83 | 38 54 38 18 | 48 50 51 33 | 81 36 27 48 | 45 40 46 91 | 38 26 36 81 | 62 39 57 25 | 50 34 44 83 | 62 48 65 75 | 25 96 89 51 | 60 41 52 76 | 53 70 63 90 | 35 12 | 1st half | } 09 |
| 58 44 57 98 | 53 06 45 73 | 31 85 82 51 | 10 89 11 51 | 30 30 28 40 | 12 51 9 02 | | 39 10 14 28 | G4 17 50 70 | 17·24 15 72 | 45 98 37 06 | 111 63 81 82 | 11 90 26 J8 | 12 47 17 49 | 16 07 13 54 | C2 21 47 70 | 1st half 2nd | }70 |
| | | | | С | | | | | | | | | | 1001 | 27.10 | 2 nu , | ľ |
| 16,309 16,817 | 2,735 2,586 | 14,513 11 652 | 7,511 7,7,2 | 2,635 2,510 | 8,016 3,998 | 115 96 | 23,197 27,900 | 1,877 1,886 | 21,676 20,072 | 11,104 10,971 | 323 398 | 329 612 | 178 205 | 116 533 | 13 | 1sthalf 2nd | <u>}</u> 71 |
| 195,730 214,862 | 23,334 | 175,986 177,812 | 75,489 88,734 | 31,725 33,842 | 42 333 46,182 | 2,20 0 2,039 | 211,572 285,169 | 21,395 22,491 | 176,373 79,740 | 115,150 131,157 | 3,012 3,527 | 5,282 6,7o2 | 2 3.3 2,712 | 3,731 4,221 | 649 680 | 1st half 2nd " |) }72 |
| 212,039 231,209 | 26 069 27,719 | 190,199 188,964 | 83,000 96,506 | 37,360 36,352 | 45,699 50,480 | 2,315 2 135 | 267,769 313,369 | 23,272 21,577 | 198,049 199,812 | 126,554 145,128 | 3,335 3,925 | 5,611 7,561 | 2,531 2,917 | 4,147 4,751 | 742 761 | 1st half 2nd ,, | }73 |
| 14 00 12 73 | 16 85 14 14 | 14 94 11 89 | 12 27 12 12 | 9 19 8 11 | 13 63 14 61 | 5199 5 28 | 14 22 15 26 | 12 58 12 91 | 18 19 16 29 | 14 39 11 87 | 18 39 20 78 | 1037 1176 | 5 ,7 6 15 | 6 39 7 00 | 8 02 5 68 | 1st half 2nd , | }74 |
| 168 00 167 36 | 143 74 140 39 | 181 12 180 90 | 123 95 138 29 | 121 14 109 31 | 171 22 169 85 | 114 86 110 51 | 149 90 156 16 | 141 12 153 98 | 148 02 145 ⁹ 0 | 1 19 63 1 15 11 | 171 08 181-26 | 166 21 164 84 | 73 53 81 08 | 57 31 55 12 | 55 83 45 08 | 1st half 2nd ,, | }75 |
| 182 00 180 09 | 160 59 154 83 | 196 06 192 79 | 135 62 150 41 | 130 33 117 45 | 187 85 181 46 | 120 85 115 74 | 161 12 171 42 | 153 50 166 89 | 166 21 162 19 | 161 62 156 95 | 189 77 205 04 | 176 58 177 60 | 79 15 87 23 | 63 73 62 42 | 63 85 51 76 | 1st half 2nd " | } 76 |
| 0 85 0 91 | 1 19 1 76 | 1 70 1 84 | 1 28 1 01 | 1 54 1 72 | 1 18 1 21 | 1 41 1 36 | 1 01 1 23 | 1 12 1 8 | 1 41 1 18 | 1 40 1 32 | 1 77 2 18 | 1 46 1 67 | 2 58 1 92 | 1 42 1 31 | n G1 0 G9 | 1st half 2nd ,, | }77 |
| 7 72 8 48 | 14 16 17 66 | 16 67 18 31 | 15 89 11 58 | 19 23 24 55 | 11 90 12 48 | 24 41 21 93 | 11 14 13 05 | 12 47 16 58 | 15 14 12 98 | 15 73 16 07 | 19 22 21 11 | 11 23 12 77 | 57 62 37 86 | 28 20 27 71 | 9 78 11 10 | 1st half 2nd " | } 78 |
| 0 71 0 86 | 1 09 1 49 | 1 31 1 87 | 1 14 0 88 | 1 33 1 63 | 1 03 0 91 | 2 81 3 11 | 0 S9 1 00 | 1 11 1 51 | 0 85 0 80 | 1 17 1 34 | 1 19 1 24 | 1 64 1 34 | 5 25 4 00 | 2 52 2 08 | 0 93 1 11 | 1st Lalf 2nd 2 | } 70 |
| 5 54 4 99 | 8 50 11 73 | 15 85 17 60 | 33 70 26 80 | 11 63 19 29 | 12 43 11 25 | | 6 40 8 25 | 5 68 8 90 | 33 81 80 91 | 13 50 16 14 | 6 10 8 17 | 21 72 14 63 | 112 17 54 81 | 61 14 73 67 | 15 58 22 66 | 1st half 2nd ,, | }so |
| 1 67 1 87 | 2 74 1 86 | 2 29 1 30 | 1 53 1 80 | 1 08 0 65 | 1 43 1 60 | 0 17 0 03 | 1 55 1 48 | 1 67 1 11 | 1 93 1 85 | 1 45 1 01 | 1 57 1 66 | 0 44 1 02 | 3 36 5 47 | -0 08 0 08 | 1 51 0 80 | 1st half 2nd , | }E1 |
| -4 68 -5 92 | -5 02 -9 76 | -3 09 -5 74 | -6 71 -2 87 | -13 22 -19 35 | _5 37 _4 39 | -22 61 -22 24 | _3 16 _7 06 | 6 10 0 82 | -4 07 -3 25 | -4 20 -4 95 | -3 16 -5 81 | -6 72 -1 83 | 123 45 162 95 | -13 19 -10 39 | 1 00 J 18 | 1°t Lalf 2n1 ,, | } 62 |
| -4 07 -4 65 | 5 07 -0 93 | -1 00 -4 15 | -0 44 4 12 | 2 55 -3 51 | | -15 99 -16 26 | 0 29 -1 18 | 24 10 23 49 | 2 07 3 12 | 1 07 -1 73 | 3 12 5 01 | -6 63 -4 15 | 90.03 98.97 | -17 80 -13 43 | -0 03 -8 83 | let Lalf 2nd ,, | }83 |
| -0 88 -1 03 | 5 14 0 29 | | 1 63 6 25 | | | -21 26 -18 46 | 16 33 14 51 | -3-24 -9 01 | - | - | • | -6.08 -6.08 | | -21 03 -23 84 | 25 15 26 92 | 1st half ind ,, | }8 4 |
| 20 22 16 85 | 32 S6 25 SS | 27 93 16 82 | 29 04 27 56 | 18 20 16 13 | 18 62 20 26 | 8 85 4 25 | 18 81 17 70 | 17 32 13 11 | 25 80 25 04 | 15 15 14 02 | 16 91 17 01 | 4 17 9:20 | 72 86 95 05 | 1 03 7 11 | 1 11 | 1.41.30 | }s5 |
| 59 50 62 87 | 85 01 67 71 | 22 65 16 95 | 15 50 21 18 | 40 S1 29 18 | 27 63 32 78 | | 49 61 87 37 | 136 57 125 74 | 6 01 6 95 | 41 53 31 71 | 191 15 86°29 | 18 05 26 06 | 45 50 95 77 | 4 21 -12 17 | 18 98 16 98 | 1st half 2nd , | }85 |

Analysis of working of each railway

Note -Railways not shown

| | | | | | | | | | | N | оте —Ва | nlanda be | ot showa |
|---------------|---|---|-------------------|--------------------|--|-----------------------|------------------------|------------------------------|--------------------|------------------------------------|------------------------|-------------------------------|----------------------------|
| | | GAUGE | | | | | 5 | ' 6" | | | | | |
| ber | n | Num ber | | 1 (a) | 2 (a) to (f) | 3 (a) | (a) to (d) | (a) to (f) | (a) to (c) | (a) & (b) | (a) to (f) | 10 (a) & (b) | 11 (a) |
| Serial number | PARTIOULARS | Calon dar year 1905 by half years | Bongal Central | Bengal Nappur | Bom bay, Baroda aud Central India | Ca=torn Bengal | East Indian | Great Indian Peninsula | Madras | Nizam's Guaran teed Stato | North West orn | Oudh and Rohil Lhand | Assam Bongal |
| | COACHING TRAFFIC—concid Cost of Working and Profits— concid Average profit on working a coaching | | | | | | | | | | | | |
| 87 | unit ono milo — Per passenger unit Pies { | 1st half 2nd ,, | 1 27 | 1 66 1 60 | 1 30 1 14 | 1 13 1 18 | 1 72 1 64 | 1 05 0 80 | 1 27 1 14 | 1 50 1 49 | 1 27 1 23 | 1 16 1 14 | 0 33 0 97 |
| 88 | Other traffic per ton ,, { | 1st half 2nd , | 1 25 | 29 CB 29 82 | 16 63 14 9 i | 4 80 5 10 | 25 08 26 66 | 20 36 19 81 | 22°01 26 48 | 29 15 33 53 | 28 96 21 27 | 31 °0 31 68 | 2 62 14 76 |
| | GOODS TRAFFIC GROSS RECEIPTS AND TRAIN MIT FAOF (In thousands) | | | | | | | | | | | | |
| 6 9 | Receipts from goods traffic Rs { | let half 2nd ,, | 1 47 | 82 83 65,74 | 79 21 60,36 | 18,63 50,45 | 2,77,95 2,48,99 | 2 61 57 1,84,42 | G1 47 G3,95 | 17,14 15,81 | 2 31 02 1,95 78 | 29,88 33,19 | 6,46 10,59 |
| 90 | Goods train miles run No { | 1st half 2nd " | , 70 | 1,833 1,577 | 703 518 | 371 709 | 4,748 4,509 | 1,128 3,587 | 1,541 1,500 | 3 75 3 53 | 4,984 | 1,028 919 | 413 472 |
| 91 | Average goods receipts per train mile Rs | lst half 2nd " | 2 10 | 4 85 4 17 | 11 28 11 01 | 5 03 7 17 | 5 85 5 52 | 5 91 5 14 | 4 18 1 26 | 5 21 4 48 | 4 70 4 37 | 3 58 3 50 | 1 56 2 24 |
| 92 | Units and unit-Mileage (In thousands) Tons of goods carried one Ton { mile { | lst half 2nd ,, | 4,569 | 32° 737 258,473 | 195 997 156,532 | 59,632 129,961 | 1,325,090 1,152,625 | 729,235 535,513 | 207,253 199,515 | \$2,F00 49,722 | | 159,236 128,976 | 23 109 37,510 |
| 93 | Avorage sum received for carrying a ton one mile Pies | lst half 2nd " | 6-20 | 5 28 4 88 | 7 76 7 40 | 6 01 7 51 | 4 03 | 6 ⁻⁸⁹ 6 61 | 5 97 6 15 | 6 31 6 12 | 4 C6 4 37 | 4.81 1.01 | 535 542 |
| 94 | Avorago number of tons in a train Tons { | 1st half 2nd ., | 65 14 | 176 07 163 88 | 278 82 285 45 | 160 67 183 36 | 279 05 262 -9 | 164 63 119 28 | 1°1 50 132-39 | 122 44 110 30 | 193 63 191 81 | 151 87 | ⁷ 6 17 79 44 |
| | VEHICLES AND VEHICLE MILEAGE - | | | | | | | | | - | - | | |
| | Number of goods vehicles hauled one mile— (In thousands) | | | | | | | | | | | | |
| 95 | Loaded Vehicle miles { | 1st half 2nd ,, | 646 | 31,471 21 801 | 22,685 18,118 | 8 6°5 14 096 | 117,827 103,713 | 80,671 61,589 | 27,809 27,105 | 4 993 4,653 | 95 935 65,177 | 22,4 9 20,962 | 1 401 6,391 |
| 96 | Empty . " { | 1st half 2nd " | 183 | 14 499 12,528 | 5,872 3,677 | 2,113 5,535 | 60,939 57,033 | 25 916 18,251 | 11,910 11,482 | 2,73° 2,477 | 31,816 25,411 | 5,801 6,121 | 1,652 2,585 |
| 97 | Brake vans " { | 1st half 2nd # | 57 | 3,856 2,676 | 611 458 | 388 741 | 4,739 4,549 | 8,181 6 00 0 | 2,493 2,636 | 569 615 | 5,097 5,271 | 922 895 | SS8 428 |
| 98 | Total ,, { | let half 2nd " | 896 | 19 326 37,005 | 9,201 22,548 | 11,221 20,373 | 183,504 165,301 | 111 771 89,345 | 42,212 11,223 | 8 297 7,717 | 192 848 115,865 | 29,162 28,001 | 6 471 |
| | Average unmber of vehicles in a goods train— | | | | | | | | | | | | |
| 99 | Frought vehicles No { | 2nd ,, | 11 82 | 25 08 21 77 | 40 62 40 29 | 29 18 27 70 | 37 65 83 65 | 24 07 23 00 | 25 77 25 72 | 17-92 15-82 | 75 63 21 67 | 27 47 28 60 | 11 73 19 01 |
| 100 | Brako vans " { | 1st half 2nd ,, | 0 81 | 1 83 1 69 | 0 83 | 1 05 1 04 | 1 00 1 01 | 185 181 | 1 63 1 76 | 1 32 1 37 | 1 02 1 18 | 10 0 10 0 | 0 91 0 91 |
| 101 | Total • • • " { | 1st half 2nd , | 12 63 | 26 91 23 46 | 41 54 41 12 | 90 23 28 74 | 38 65 36 66 | 2. 92 24 90 | 27 39 27 13 | 19 24 17 19 | 26 65 25 85 | 28 3 29 54 | 15 67 19 92 |
| 102 | Average earnings per goods vehicle per mile (excluding | ist half | 31 16 | 37 10 | 53 29 | 33 11 | 29 85 | 47 12 | 31 17 | 43 33 | 35 17 | 27 12 | 20 19 |
| 103 | brakos) Pics (Carrying capacity hauled one | 2nd ,, 1st half | 11,471 | 36 77 688,506 | 52 45 894,921 | 49 73 140 926 | 29 74 2,601,014 | | 31 82 561,373 | 42 66 114,843 | 83 99 1,905,006 | 23 51 | 22 64 57 245 |
| 104 | mile (excluding brakes) Tons \ Porcentage of froight upon Pcr \(\) | 1st half | 39 83 | 509,396 46 88 | 298,269 49 63 | 262,663 42 31 | 2,847,659 50 95 | 18 08 | 549,841 35 92 | 45 98 | 1,680,471 50 61 | 347,658 4176 | 85,233 10 53 |
| 105 | capacity hauled cent { Averago load of a goods vehile lo (including both loaded and empty) per mile Tons { | 2nd " 1st hali 2nd " | 5 51 | 7.02 7.53 | 52 48 6 86 7 08 | 49 48 5 51 6 62 | 50 37 7 41 7 36 | 45 31 6 84 6 46 | 5 22 5 17 | 46 88 6 83 6 97 | 51 17 7 55 7 78 | 37 10 5 64 4 76 | 4±01 381 |
| 106 | Average load of a loaded | 1st half | 7 07 | 10 25 | 8 64 | 6 87 | 11 25 | 9 04 | 7 45 | 10 45 | 10 06 | 7 10 | 4 18 5 27 |
| | goods volucle per milo ",) | 2nd ,, | | 11 86 | 8 50 | 9 22 | 1140 | 8 29 | 7 86 | 10 69 | 10 10 | 6 15 | 5 87 |
| | WEIGHT OF TRAIN AND TON- MILEAGE— Gross tou mileage of all goods trains— (In thousands) | | | | | | | • | | | | | |
| 107 | Freight Tons' { | 1st helf 2nd " | 4,569 | 322,737 258,478 | 195,996 156,532 | 59,633 129,962 | 1,825,090 1,182,625 | 729,235 535,513 | 207,253 199,515 | 52,799 49,722 | 964,981 859,681 | | 23,199 37,510 |
| 108 | Dead woight . ,, { | 1st half 2nd , | 11,179 | 504 518 390,188 | 241,897 187,883 | | 1,671,017 1,517,715 | | 410,183 401,379 | | 1,293,977 1,139,414 | | 89,765 62,200 |
| 109 | Total, { | 1st half 2nd # | 15,748 | 827,255 648,661 | 437,893 844,415 | 169,661 334,620 | 2 997,007 2,700,340 | 1,895,222 1,461,609 | 617,735 600,894 | 139,598 133,959 | 2,258,961 1,999,295 | 429,^24 384,692 | 62,964 99,710 |

DIX 18—continued

(by systems) during each half-year of 1905—contd

do not prepare those statistics

| | | | · | | 3′ 3 | 311 | | | | | | | 2' | 6' | 1 | GAUGE | |
|----------------|--|----------------|-------------------|---|------------------------|------------------------------|------------------------|------------------------------------|---------------------|------------------------------|-------------------|---------------------------------------|------------------|---|-------------------------|---|----------------|
| a) & (b) | 14 (a) to (d) | 15 (a) | (b) & (c) | 8 (c) | 18 (a) to (c) | 11 (b) | (g) to (m) | (a) & (b) | (a) to (f) | 22 (a) to (j) | 23 (a) | 1 (b) | 30 (a) | 9 (g) & (h) | 1 (e) | Number | ř |
| West | Bhay nagar- Goudal Juna gad Por- bandar | Bnrma. | Enstorn Bengal | Hyder vbad Goda vari Valley | Jodh pur Bikaner | Noa khalı (Ben gal) | Raj putana Malwa | Rohil Lnnd and Ku maon | Sonth Indian | South ern Mah ratta | Udaipar Chitor | Jubbul pore Gondia extension | Kalka Sımla | Khnshal garh Kohat Thal and Nowshera Dnrgal. | Raipur- Dham tari | Calendar year 1905 by half years | Sorial number. |
| 1 34 | 184 | 1 81 | 1 50 | 0 83 | 1 17 | 0 25 | 1 25 | 1 43 | 1 25 | 1 03 | 0 93 | 0 43 | 7 69 | -0 16 | 2 14 | 1st half | }87 |
| 1 20 | 144 | 1 30 | 1 77 | 0 54 | 1 28 | 0 04 | 1 11 | 1 08 | 1 32 | 0 90 | 0 88 | 0 75 | 9 57 | 0 27 | 1 64 | 2nd " | |
| 40 79 33 02 | 39 54 36 26 | 23 07 17 14 | 13 41 23 91 | 25 96 23 87 | 27 39 31 61 | | 22 26 19 09 | 55 67 58 43 | 16 18 18 96 | \$1 21 28 51 | 25 03 24 62 | 34 20 27 75 | 101 13 141 10 | 3 76 35 20 | 43·90 21 19 | 1st half 2nd " | } 88 |
| | | | | | | | | | | | | | | | | | |
| 36,55 | 5,29 | 47,91 | 16,81 | 12,83 | 10,04 | 5 | 1,01,65 | 5,32 | 29,94 | 36,40 | 37 | 1 66 | 1,35 | 62 | 37 | 1st half | } 80 |
| 27,09 | 3,04 | 37,46 | 27 39 | 6 36 | 10,25 | 7 | 83,23 | 5,11 | 31,69 | 32,35 | 36 | 1 64 | 1,65 | 71 | 19 | 2nd " | |
| 1,168 | 129 | 1,456 | 495 | 951 | 279 | 4 | 2,207 | 182 | 1,021 | 1,346 | 8 | 79 | 53 | 70 | 19 | 1st half | }90 |
| 948 | 92 | 1,378 | 587 | 206 | 277 | 5 | 1,844 | 168 | 1,175 | 1,262 | 8 | 83 | 46 | 106 | 17 | 2ud " | |
| \$ 13 | 4 11 | \$ 29 | 3 47 | 3 66 | 3 59 | 1 12 | 4 61 | 2 92 | 2 93 | 2 71 | 4 47 | 2 09 | 2 57 | 0 88 | 1 93 | 1st half | }91 |
| 2 86 | S 31 | 2 72 | 4 67 | 3 08 | 3 70 | 1 25 | 4 51 | 3 05 | 2 70 | 2 56 | 4 22 | 1 98 | 3 57 | 0 67 | 1 16 | 2nd ,, | |
| 30,129 | 10 119 | 121,221 | 50,519 | 26,761 | 27,872 | 127 | 319,766 | 17,158 | 81,0 ₅ 3 | 104,168 | 403 | 5,162 | 572 | 2,593 | 908 | 1st half | }92 |
| 94,176 | 6 652 | 103,740 | 6 9,551 | 13,361 | 27,905 | 183 | 252,603 | 14,339 | 89,574 | 95,783 | 402 | 6,879 | 842 | 1,487 | 672 | 2nd " | |
| 5 39 | 10 04 | 7 59 | 6 39 | 9 21 | 6 92 | 7•28 | 6 10 | 5 95 | 7 09 | 6 71 | 17 7 4 | 6 14 | 45 31 | 4 56 | 6 83 | Ist half | }98 |
| 5 52 | 8 78 | 6 93 | 7 55 | 9 14 | 7 05 | 7 06 | 6 33 | 6 83 | 6 79 | 6 48 | 16 97 | 4 57 | 37 52 | 9 14 | 5 49 | 2nd " | |
| 111 39 | 78 64 | 83 27 | 101 21 | 50 11 | 99 76 | 28 88 | 144 92 | 94 20 | 79 36 | 77 41 | 48 39 | 65 35 | 10 87 | 37 19 | 47 51 | 1st half | }94 |
| _99 32 | 72 40 | 75 31 | 118 57 | 31 77 | 100 61 | 33 92 | 136 97 | 85 56 | 76 24 | 75 87 | 45 47 | 83 16 | 18 25 | 14 00 | 40 61 | 2nd " | |
| | | | | | | | | | | | | | | | | | |
| 23,419 | 2,419 | 25,346 | 10,769 | 4 441 | 4,999 | 41 | 52,611 | 2,452 | 36,421 | 23,911 | 118 | 1,103 | 196 | 536 | 203 | 1st half | 39 |
| 17,803 | 1,608 | 22,755 | 14,031 | 2,741 | 1,622 | 52 | 42,546 | 2,411 | 17,781 | 21,687 | 116 | 999 | 232 | 733 | 111 | 2nd " | |
| 9 552 | 1,221 | 11,271 | 2,075 | 2,090 | 1,688 | 14 | 20,684 | 1,306 | 5,359 | 5,942 | ნა | 436 | 9 <u>4</u> | 171 | 123 | 1st half | }96 |
| 7,821 | 902 | 8,715 | 2,422 | 1,023 | 1,923 | 17 | 12,911 | 1,201 | 6,851 | 5,645 | 71 | 133 | 79 | 280 | 46 | 2nd " | |
| 1,630 1,398 | 153 82 | 2 002 2,017 | 501 590 | 805 511 | 92 103 | 7 10 | 2 309 1,773 | 251 252 | 902 1,233 | 1,841 1,713 | | 31 38 | | 61 108 | 29 23 | 1st half 2nd , | }97 |
| 34 631 | 3,796 | 38,619 | 13,345 | 7,326 | 6,779 | 62 | 75,604 | 4 009 | 22 682 | 31,691 | 183 | 1,570 | 290 | 768 | 355 | 1st half | 95 |
| 27,022 | 2,592 | 33,487 | 17,033 | 4,°75 | 6 618 | 79 | 57,233 | 3,861 | 2.,568 | 29 015 | 187 | 1,470 | 311 | 1,121 | 180 | 2nd " | |
| 28 25 | 28 82 | 25 15 | 26 51 | 12 21 | 23 93 | 12 74 | ^3 22 | 20 63 | 21 33 | 22 19 | 21 97 | 19 11 | 5 51 | 10 14 | 17 10 | 1st half | }99 |
| 27 02 | 27 31 | 22 85 | 28 05 | 9 79 | 23 60 | 12 95 | 30 07 | 21 55 | 20 97 | 21 65 | 22 27 | 17 31 | 6 71 | 9 51 | 9 47 | 2nd " | |
| 1 10 1 17 | 1 18 0 90 | 1 38 1 46 | 1 03 0 99 | 1 51 1 33 | 0 33 0 37 | 163 171 | 1 01 0 96 | 1 38 1 50 | 0 88 1 05 | 1 37 1 36 | | 0 39 0 46 | | 0 88 1 01 | 1 50 1 41 | 1st half 2nd " | }10 |
| 29 65 | 29 50 | 26 53 | 27 54 | 13 72 | 24 26 | 14 13 | 34 26 | 22 01 | 22 21 | 23 55 | 21 97 | 19 80 | 5 51 | 11 02 | 18 60 | 1st half | }10 |
| 28 19 | 28 21 | 24 31 | 29 01 | 11 13 | 23 97 | 14 69 | 31 03 | 23 05 | 22 02 | 23 01 | 22 27 | 17 77 | 6 74 | 10 55 | 10 88 | 2nd " | |
| 21 26 | 27 87 | 25 13 | 25 13 | 37 78 | 28 83 | 16 90 | 26 63 | 27 17 | 26 10 | 23 41 | 39 08 | 20 67 | 59 35 | 16 74 | 21 11 | 1st half | }10 |
| 20 30 | 23 26 | 22 86 | 31 ⁹ 7 | 82 15 | 30 07 | 18 49 | 28 81 | 27 14 | 24 70 | 22 73 | 36 46 | 22 00 | 101 61 | 13 41 | 23 57 | 2nd ,, | |
| 21 °08 | 25 7°4 | 288 207 | 10º 04º | 69,777 | 60 300 | 527 | 611 773 | 40,084 | 157,515 | 219,047 | 1,538 | 9 601 | 1,780 | 3 158 | 1,745 | 1st half | }10 |
| 52,110 | 18,493 | 250,231 | 116,394 | 39,411 | 59,7 08 | 672 | 490,218 | 39,595 | 181,482 | 199,703 | 1,539 | 9 ,171 | 2,100 | 4,530 | 1,140 | 2nd " | |
| 40 06 | 39 25 | 12 06 | 46*33 | 98 35 | 46 22 | 21 05 | 49 83 | 42 81 | 51 45 | 48 89 | 26 12 | 53 87 | 32 13 | 82 10 | 52 04 | 1st half | }10 |
| 37 35 | 35 97 | 41 16 | 17 79 | 83 83 | 46 70 | 27 16 | 51 53 | 36 22 | 49 36 | 47 96 | 26 14 | 75 00 | 40 08 | 32 83 | 58 95 | 2nd ,, | |
| 3 94 | 2 78 | 3 31 | 3 ⁹ 3 | 1 10 | 4 17 | 2 32 | 1 36 | 4 57 | 3 72 | 3 49 | 2 20 | 3 37 | 1 97 | 3 67 | 2 78 | 1st half | }10 |
| 3 68 | 2 6ə | 3 30 | 4 23 | J 55 | 4 26 | 2 62 | 4 55 | 3 97 | 3 61 | 3 50 | 2 15 | 4 80 | 2 71 | 1 47 | 1 29 | 2nd " | |
| 5 56 | 4 18 | 4 78 | 1 69 | 6 03 | 5 58 | 3 11 | 6 08 | 7 00 | 4 94 | 4 36 | 3 40 | 4 70 | 2 92 | 4 84 | 4 47 | 1st half | }10 |
| 5 29 | 4 14 | 4 55 | 4 96 | 4 87 | 6.01 | 8 19 | 5 91 | 5 95 | 5 04 | 4 42 | 3 48 | 6 89 | 3 64 | 2 03 | 6 05 | 2nd " | |
| | | | | | | ŧ . | | | | | | | | | | | |
| 30,129 | 10,119 | 121,224 | 50,519 | 26,765 | 27,873 | 127 | 319,7 06 | 17,159 | 81,053 | 104,168 | 403 | 5,181 | 572 | 2,593 | 90S | 1st half | }1 |
| 94,176 | 6,652 | 103,740 | 6 9,554 | 13,361 | 27,905 | 183 | 2 52,60 3 | 14,340 | 89,574 | 95,783 | 402 | 6,879 | 812 | 1,467 | 673 | 2nd " | |
| 71,509 | 17,539 | 216,508 | 76,061 | 45,181 | 36,218 | 358 | 339,138 | 19 707 | 130,690 | 167,944 | 1,037 | 9 011 | 2,795 | 3,104 | 1,245 | 1st half | }10 |
| 37,008 | 12,116 | 195,777 | 98,569 | 26,050 | 35,970 | 501 | 267,343 | 19,094 | 151,041 | 155,016 | 1,060 | 8,451 | 2,713 | 4,622 | 855 | 2nd , | |
| 04,63S | 27,658 | 337,732 | 126,580 | 71,946 | 61 091 | 485 | 658,901 | 36,866 | 211,743 | 272,112 | 1,440 | 14,192 | 3,367 | 5,697 | 2,153 | 1st half | }1 |
| 32,081 | 18,798 | 299,517 | 168,123 | 39,411 | 63,875 | 634 | 519,946 | 33 434 | 240,615 | 250,829 | 1,462 | 15,330 | 3,585 | 6,109 | 1,527 | 2nd , | |

Analysis of working of each railway

Note -Railways not shown

| GOODS TRAFFILD-record Windows of Manager Windows of | | (| GAUGE. | | | | , | 5′ 6″ | | | | | | |
|---|---------------|---|------------------------------|-------------------|--------------|-------------------------------------|------------------|-----------------|------------------|-----------------|---------------------------|-----------------|-----------------------|------------------|
| Part | | | Number | | 1 (a) | 2 (a) to (f) | 3 (a) | 4 (a) to (d) | (a) to (f) | 6 (a) to (c) | 8 (a) 8, (b) | 9 (a) to (f) | 10 | 11 (a) |
| Written or Teal Arrange weight of a goods trans- 110 Fraght Tons | Sorial number | PAPTICULARS | dar year 1905 by half- | Bengal Contral | | Bombay, Baroda and Central | Eastern | East | Great Indian | | Nızam's Guaran teed | North West | Ondh and Rohil- | Assam |
| Frught | | Weight of Train and Ton | | | | | | | | | | | | |
| 111 Doub weight | | Average weight of a goods train- | | | | | | | | | | | | |
| 110 Double wright | 110 | Freight Tons { | 1st half 2nd " | 65 14 | | 278 82 285 45 | | | | | | | | 56 17 79 44 |
| Core or Women's And Private Core | 111 | Doad weight { | 0 1 | 159 39 | | 341 12 342 62 | | | 263 30 258 16 | | | | | 96 28 131 73 |
| 113 Average cost of haning a Real Code | 112 | | 1st half 2nd " | 224 53 | | | | | | | | | | 152 45 211 17 |
| 116 A pressed cost of hunding a goods untit (ver, one ten) 1 | 113 | Averago cost of hanling a | 1st balf 2nd " | 2 12 | | | 3 37 3 09 | | 2 37 2 53 | 2 65 2 70 | | | 2 21 2 12 | 2 14 2 02 |
| 115 Average cost of haming a goods unit (sr. good on mode) 1 1 1 1 1 1 1 1 1 | 114 | goods vehicle with its load | ist helf | 31 49 | | | | | | | | | 15 46 | 27 96 20 37 |
| A goods unt one mile, needed ing interact on capital or profested 1 5 per cent per all profested 2 5 per cent per annual for profested 2 5 per cent per annual for | 115 | goods unit (vir, one ton) | | 6 26 | 2 34 2 43 | | | | | | | 2·27 2·35 | 274 | 7 33 4 87 |
| annum namum | | goods unit one mile, melud ing interest on capital ox ponded on open line at the rate of 5 per cent per | | 10 11 | | | 7 48 | | 4 93 | | | 4 83 | 5 27 | 15 53 |
| Age of the control | 116 | Average profit on working | 1st half | -0 02 | 1 | 7 29 | 1 66 | ł | 1 | 1 53 | 3 57 | (| 1 | 11 04 -0 58 |
| Average profit on working a goods unit (vr., one ton) State Stat | 117 | Average profit on working | 2nd ,, | | 2 10 | 6 50 | 4 08 | 8 42 | 2 61 | 1 56 | 2 96 | | 138 | 0 22 |
| Record State Record Reco | 11 | Average profit on working | lst half 2nd " | -0 33 | | | | | | | | | 11 66 9 29 | -7 57 2 27 |
| Percentage on Total Earnings | | a goods nuit (viz, ono ton) | | -0 08 | | | | | | | | | | -1 98 0 55 |
| 110 Coaching triffic | | DETAILED PEI CENTIGES OF EAPNINGS AND EXPENDITURE | | | | | | | | | | | | |
| 10 Coloning truins | | , | 1st half | 63.27 | 28.07 | 31.63 | 44 92 | 29.16 | 24.96 | 36.35 | 92.95 | 90.07 | 40.53 | to 51 |
| 120 Goods trame | | | 2nd " | | 8485 | 37 12 | 30 56 | 32 33 | 32 50 | 35 11 | 24 62 | 31 23 | 48 22 | 36 60 |
| Steam boat earnings | | | 2nd , | | 6089 | 66 90 | 6639 | 65 80 | 66 19 | 63 41 | 70 20 | 64 54 | 44 18 | 55 82 |
| Total | 121 | Sindries, including tele | 2nd , | 14 00 | 3.93 | | | 1 48 | | | | 1 61 1 23 | | 4 45 7 01 |
| Percentago of Working Expenses on Fotal Earnings Percent Statistic Sta | 123 | Steam boat earning's ,, { | 2nd " | | | | | 0 27 0 39 | | | | | - | 0 63 0 57 |
| Potal Earnings- Maintenance | | Total , { | 0 | | | | 100 00 100 00 | | | | | | | 100 00 100 00 |
| 124 Locomotive expenses 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | |
| 124 Locomotive expenses 1 15 14 11 16 16 26 13 26 10 22 18 92 23 06 10 31 20 73 16 25 27 18 18 20 22 25 19 81 10 17 23 13 17 49 19 55 10 25 25 25 25 25 25 25 2 | 123 | Maintenanco Percent { | 1st half 2nd " | _ | | | | | | | | | 21 47 19 10 | 37 17 28 14 |
| Carringo and wagon ex- ponses | 124 | Locomotivo expensos , { | 1st half | | | 16 26 | 13 26 | 10 22 | 18 92 | 23 06 | 10 31 | 20 73 | 16 25 | 27 18 |
| 126 Fraffio expenses 1 | 125 | | 1st half | 3 01 | 3 36 | 5 19 | 7 30 | 283 | 4.21 | 681 | 3 12 | 3 25 | 3 07 | , ; |
| 127 Genoral charges " { 1st half 2nd , 603 419 387 359 414 519 545 303 465 1179 128 | 126 | Frassio expenses , { | lst half | 11 63 | 7 15 | 6 18 | 15 80 | 7 47 | 6 83 | 7 20 | 5 45 | 6 58 | 10 19 | 13 76 |
| 123 Miscellaneous expenses 1st half 748 353 117 230 265 199 365 174 129 219 557 120 | 127 | Genoral charges " { | 1st half | 16 91 | 481 | 3 63 | 6 10 | İ | 3 31 | 4 56 | 4 99 | 279 | 4 31 | 17 91 |
| 120 Steam boat expenses , { 1st half 2nd , 1 s3 | 123 | Viscellaneous expenses ,, { | 1st hab | 7 48 | 3 53 | 1 17 | 2 39 | 2 65 | 1 99 | 3 65 | 1 74 | 1 29 | 2 19 | 5 58 5 24 |
| 130 TOTAL WORLING EXPENSES , { 1st half 76 20 42 78 89 89 63 57 34 95 44 15 57 85 88 08 48 50 57 51 111 4 | 120 | Sterm boat expenses , { | | | 0 62 | | | 0 25 | | | ''' | -0 01 | 30 | 1 59 0 53 |
| | 130 | TOTAL WORKING EXPENSES " { | 07 | 76 20 | | 39 89 46 33 | 63 57 49 76 | · | 44 15 53 66 | | | 48 50 | | 111 41 81 23 |

DIX 18—continued.

(by systems) during each half-year of 1905—contd.

do not prepare these statistics

| | | | | | | | 9 | 3‡" | · | | | | 1 | | 2′ 6″ | | GAUGI | · I |
|-----|-----------------------------|--|----------------------|----------------------|-----------------------|------------------------|--------------------------|----------------------------------|-----------------------------|----------------------|-------------------------------|-----------------------|---|-----------------------|--|------------------------|--------------------------------------|--|
| l | 12 (a) & (b) | 14 (a) to (d) | 15 (α) | (b) & c) | 8 (c) | 18 (a) to (c) | 11 (6) | 12 (g)to(m) | 20(a) & (b) | 21 (a) to (f) | 22 (a) to (j) | 23 (a) | 1 (b) | 30 (a) | 9 (9) & (7) |) 1 (e) | Nnmbe | - |
| | | Bhav- nagar Gondal Juna gad Por- bandar | Burma | Fastern Bengal | | Jodh pur Bikaner | Non khali (Bengal) | Ray | Rohil kund and Kumaon | South Indian | South- orn Mah ratta | Udaipur Chitor | Jnbbn1 pore Gondia exten sion | Kalka Sımla | Khushal garh Kohat Thal and Nowshera Durgai | Raipur Dham tari | Calend year 19 by hal years |)5 E |
| | , | | | | | | | | | | | | | | | | | |
| | 111 39 99 32 | 78 64 72 40 | 83 27 75 30 | 104 24 118 57 | 50 11 31 77 | 99 76 100 61 | 29 58 33 92 | 144 92 136 97 | 94 20 85 35 | 79 36 76 24 | 77 11 75 87 | 48 39 47 85 | 65 35 83 16 | 10 87 18 25 | 37 19 14 00 | 47 51 40 64 | | 1, |
| | 149 33 145 44 | 126 30 182 20 | 1 18 72 142 12 | 156 91 168 01 | 81 60 67 80 | 129 64 129 63 | 83 49 93 14 | 153 69 144 96 | 108 20 113 93 | 127 96 12856 | 124 81 122 81 | 124 58 126 11 | 113 64 102 18 | 53 15 59 45 | 44 51 43 51 | 65 15 51 73 | 1st hal 2nd ,, | f }111 |
| | 260 77 241 76 | 214 91 204 60 | 231 99 217 42 | 261 18 286 61 | 134 71 102 57 | 229 40 230 29 | 113 07 127 06 | 2º8 61 281 93 | 202 40 199 48 | 207 32 204 80 | 202 22 193 68 | 172 97 173 96 | 178 99 185 34 | 61 02 77 70 | 81 79 57 51 | 112 66 92 37 | 1st hal 2nd " | f }112 |
| | 1 22 1 21 | 1 99 2 32 | 2 01 2 07 | 2 46 1 93 | 1 57 1 80 | 1 41 1 52 | 1 °2 1 49 | 181 201 | 1 47 1 89 | 1 76 1 49 | 1 73 1 68 | 1 62 1 80 | 1 48 1 74 | 2 09 1 71 | 1 82 1 24 | 1 13 1 23 | 1st hal 2nd ,, | f }113 |
| * | 8 27 8 80 | 13 53 16 33 | 15 33 17 41 | 17 83 13 19 | 16 19 18 97 | 11 53 12 33 | 19 93 22 10 | 10 62 13 02 | 13 69 16 8ə | 15 86 13 67 | 74 95 11 86 | 14 16 15 57 | 11 62 19 37 | 72 75 48 61 | 34 50 24 90 | 12 74 25 03 | 1st hal 2nd ,, | f } 114 |
| | 2 10 2 39 | 4 87 6 16 | 4 63 5 29 | 4 53 3 12 | 3 9 1 5 3 1 | 2 77 2 89 | 8 58 8 43 | £ 43 2 86 | 3 00 4 24 | 4 26 3 76 | 1 29 1 21 | 6 43 7 25 | 4 34 4 03 | 36 89 17 95 | 9 40 16 97 | 4 59 5 83 | 1st hal 2nd ,, | 115 |
| بها | 4 59 | 10 37 | 8 01 | 8 64 | 7 06 | 4 92 | | 4 06 | 5 <u>42</u> | 7 54 | 8 44 | 31 07 | 10 95 | 118 86 | 18 49 32 55 | 10 08 | 1st half | 3,115 |
| | 536 191 162 | 12 73 2 12 0 99 | 9 10 1 28 0 65 | 6 28 1 01 2 74 | 10 34 2 09 1 28 | 4 95 2 15 2 18 | 16 57 -0 20 -0 31 | 4 69 2 77 2 1 7 | 7 00 1 45 1 16 | 6 °4 1 17 1 21 | 8 92 0 98 0 88 | 31 92 2 85 2 42 | 9 57 0 61 0 24 | 73 31 0 48 1 86 | -0 94 -0 57 | 0.80 | 2nd ,, 1st half | } 116 |
| | 12 99 11 50 | 1431 | 9 79 | 7 30 | 21 59 | 17 80 | -3 03 | 16 01 | 13 48 | 10 54 | 8 46 | 24 92 | 602 | 16 60 | -17 76 | 8 97 | 1st hali | }117 |
| | | 6 93 5 17 | 5 45 2 96 | 19 78 1 86 | 13 48 5 27 | 17 71 4 15 | -3 61 | 15 79 3 67 | 10 29 2 95 | 11 03 2 83 | 2 42 | 20 69 | 2 63 | 53 00 8 42 | 11 49 4 84 | -1 20 | 2nd ,, | ľ |
| | 3 29 3 13 | 2 62 | ī 6š | 4 13 | 3 80 | 4 16 | -1 30 -1 37 | 3 47 | 2 50 | 3 03 | 2 2 3 | 9 72 | 6 51 | 19 67 | -7 83 | -031 | 2nd " | - |
| 1 | | | | | | | | | | İ | | | | | | | | |
| | 41 97 49 01 | 55 21 66 23 | 43 93 44 31 | 46 44 ვა 46 | 26 88 41 00 | 37 76 41 74 | 85 29 77 77 | 28 59 36 51 | 42 01 41 48 | 5f 27 53 24 | 37 06 39 23 | 59 90 66 23 | 2 · 26 39 92 | 57 43 58 61 | 57 88 59 73 | 39 15 50 51 | 1st hal 2nd " | }119 |
| | 49 62 42 06 | 42 53 31 <u>°</u> J7 | 54 32 53 86 | 45 41 53 84 | 70 68 55 19 | 59 72 55 65 | 13 53 20 36 | 69 58 61 23 | 52 86 51 99 | 42 29 45 13 | 61 35 58 90 | 37 90 32 40 | 71 95 58 69 | 10 81 39 01 | 40 91 39 21 | 57 92 44 09 | 1st hal 2nd ,, | ^f }120 |
| | 1 52 2 66 | 2 26 2 70 | 1 10 1 50 | 1 04 1 78 | 2 44 3 12 | 2 52 2 61 | 1 18 1 87 | 1 83 2 21 | 0 44 3 53 | 1 44 1 63 | 1 59 1 87 | 2 20 0 53 | 1 79 1 39 | 1 76 2 38 | 1 21 1 06 | 2 93 5 40 | 1st hali 2nd , | ^f }121 |
| | 6 29 6 27 | | 0 35 0 3 3 | 7 11 8 92 | | | | | 4 66 | | | 081 | | | | - | 1st half | 122 |
| | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 100 00 100 00 | 1st hal 2nd ,, | Ē |
| | | | | | | | | | | | | | | | 70.01 | 14.00 | | |
| | 10 ⁻ 21 13 38 | 11 70 17 o1 | 16 39 19 23 | 18 99 10 82 | 21 59 24 58 | 12 87 12 74 | | 7 46 9 29 | 8 25 10 20 | 12 54 12 00 | 16 33 16 61 | 12 01 20 44 | 16 12 22 63 | 4 30 -1 35 | 58 61 44 61 | 28 23 | 1st hal 2nd ,, | .[, |
| | 10 61 10 51 | 10 85 13 08 | 18 38 25 55 | 16 19 9 53 | 11 10 15 52 | 15 22 16 07 | | 16 26 18 25 | 14 45 11 76 | 19 26 15 13 | 20 35 22 39 | 16 66 13 70 | 2 25 21 50 | 29 32 18 87 | 38 59 41 12 | 16 44 19 78 2 08 | 1st half | |
| À | 2 63 (3 02 | 2 69 5 51 | 3 66 5 34 | 1 76 2 58 | 1 49 2 15 | 2 52 2 33 | | 5 19 5 15 | 4 37 3 47 7 92 | 4 01 4 12 7 33 | 5 42 5 18 7 82 | 2 16 2 36 8 51 | 4 54 8 27 12 51 | 3 10 2 83 10 13 | 10 77 7 13 22 24 | 4 66 6 32 | 1st hall 2nd ,, | 15120 |
| | 7 40 8 62 | 7 37 8 78 8 25 | 7.98 1011 5.66 | 9 97 8 37 5 78 | 6 51 9 96 7 08 | 5 74 5 50 3 74 (| | 6 19 6 99 3 63 1 | 7 91 7 96 | 7 71 6 14 | 8 60 | 7 86 6 75 | 12 62 | 8 01 | 21 83 14 16 | 7 79 6 58 | 1st hal 2nd ,, 1st hal | 15128 |
| | 4 67 5 73 0 72 | 10 52 1 50 | 6 93 1 17 | 3 82 1 71 | 11 61 0 68 | 3 41 | | 4 19 1 60 | 7 64 1 75 | 6 57 1 33 | 8 16 1 56 | 6 25 1 68 | 12 63 1 00 | 6 60 2 41 | 13 13 2 54 | 10 25 0 59 | 2nd ,, 1st hal | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| | 0 72 0 99 3 58 | 1 24 | 1 23 1 23 | 1 64 | 1 97 | 2 20 | 1 | 1 86 | 1 63 | 154 | 1 GO | 176 | îžő | 1 34 | 2 70 3 38 | 0 94 | 2nd " 1st hal | \$128 |
| | 3 91 39 82 | 42 36 | 0 96 51 09 | 5 28 61 27 | 48 45 | 42 39 | | 40 33 | 44 30 | 50 61 | 58 99 | 47 77 | 72 04 | 59 97 | 3 58 150 29 | 46 69 | 2nd ,, | J5128 |
| | 46 16 | 56 61 | 6935 | 42 04 | 65 79 | 42 25 | 102 17 | 45 73 | 42 64 | 47 37 | 62 54 | 52 37 | 77 43 | 36 35 | 131 10 | 71 61 | 2nd " | 5100 |

Analysis of working of each railway

Norr -Railways not shown

| | 1 | GAUGE | | | | | 5' | 6" | | | | | i |
|---------------|--|--------------------------------------|-------------------|------------------|---|--------------------|---------------------|------------------------------|------------------------------|------------------------------------|----------------------|-------------------------------|------------------------|
| | | Vnmber | | 1 (a) | 2 (a) to | 3 (a) | 1 4 | 5 | | 8 (a) & | | (a) & (b) | 11 (a) |
| aber | Particulars | Calen | | | Bom | | (a) to (a) | (c to (f) | (c) | (6) | (5) | | |
| Serial number | | dar year 1905 by half years | Bengal Central | Bergal Nagpur | bay, Baroda and Central India | Fa•tern BengaL | | Great Indiaa Peninsula | Madras | Nizam's Gnaran toad Stato | North West ern | Ondh and Rolul khand | Assam- Bengal |
| , 02 | PER MILE OF LINE MAIN | | |) | THUIR | | | | TABL | E A —1 | MAINT | ENAN | CE OF |
| 131a | General superintendence (including office expenses) | 1st half 2nd ,, | 186 85 | 137 56 153 40 | 181 73 175 70 | 327 23 257 42 | 212 51 228 39 | 145 38 142 09 | 184 12 164 06 | 135 05 129 33 | 139 14 145 08 | 130 16 155 28 | 147 £0 143 75 |
| 132a | Maintenance and renewal of permanent way | 1st half 2nd ,, | 804 78 | 315 °0 263 36 | 603*36 567 35 | 1,676 73 707 99 | 781 60 266 84 | 616 59 463 86 | 411 20 532 75 | 237 62 271 12 | G03 98 371 49 | 717 12 540 55 | 363 41 29117 |
| 193a | Repairs of bridges, &c ., { | 1st half 2nd | 15 60 | 297 56 16 43 | 105 75 161 52 | 290 89 168 72 | 16370 16391 | 179 70 220 44 | 93 99 101 97 | 41 00 64 05 | 77 70 62 55 | 176 59 168 69 | 116 21 77 12 |
| 134a | Conservancy of rivers " { | 1st half 2nd ,, | | | | 0 17 | | | | 0 13 | 15 56 37 64 | 3 46 3 51 | |
| 135a | Repairs of stations and buildings, { | lathalf 2nd ., | 76 75 | 48 37 73 37 | 139 53 107 79 | 363 57 276 41 | 235 33 314 35 | 191 00 118 58 | 83°21 102 49 | 123 63 58 97 | 177 00 155 85 | 210°86 171 01 | 38 33 (5 %) |
| 186a | Other charges (not) , { | 1st half 2nd ,, | C5 52 | 25 33 66 95 | 17 06 26 55 | 15475 9676 | 166 52 197 73 | 81 10 83 03 | 1'0'37 260 88 | 16 'S 65 07 | 182 96 241 37 | 12455 12045 | 67 13 39 4 5 |
| 137 <i>a</i> | Total maintenance, &c. , { | 1st half 2ad ,, | 1,149 50 | 851 12 576 '1 | 1,077 73 1,111 DI | 1,527 47 | 1 502 66 1,17276 | 1,151 16 1 029 00 | 10515 | 504 16 571 65 | 1 19634 1,01400 | 1,305 °4 1,18972 | 762 08 532 81 |
| 1816 | PER MILE OF TRACK, INCLUD ING SIDINGS General superintendence (includ fing office expenses) Rs | 1st half 2nd ,, | 157 19 | 119 03 130 81 | 127 19 117 65 | 105 57 153 06 | 13.77 115.35 | 201 (9 101 02 | 15258 13376 | 122 to 115-00 | 109 17 113 60 | 113:50 117:53 | 131 65 127 77 |
| 1828 | Maintenance and renewal of permanent way | 1st half 2nd , | 677 94 | 235 E0 293 E0 | 10.568 87.500 | 873 J 431 71 | 499 71 169 50 | 441 49 340 32 | 167 63 410 85 | 210 81 213 74 | 475 42 290 85 | 654 26 470 85 | 328°21 261 45 |
| 1335 | Ropairs of bridges, &o, { | 1st half 2nd ,, | 13 14 | 2.7 G 11 UL | 71 10 110 16 | 149 81 115 88 | 65 04 105 60 | 123 C7 161 39 | 77 79 86 87 | 30 13 56 °S | 61 16 40 00 | 151 17 117 11 | 103 52 63 54 |
| 1346 | Consorvancy of rivers " { | 1st half 2nd ,. | | | | 0 11 | | | | 0 12 0 07 | 12 25 29 17 | 3 62 3 00 | |
| 1358 | Ropairs of stations and buildings , { | 1stball 2nd " | 61 GG | 41 87 62 05 | 93 75 72 17 | 167 25 160 73 | 119 88 200 05 | 07 70 86 81 | 65 87 81 81 | 25 50 34 05 | 100 12 122-02 | 151 (8 11896 | 55 60 31 03 |
| 1366 | Other charges (net) { | 1st half 2nd ,, | 55 19 | 21 93 57 09 | 31 G1 G1 G5 | 79 70 50 41 | 106-05 125-83 | 59 75 60 79 | 123 59 166 24 | 56 32 67 85 | 141 01 185 97 | 108 73 101 93 | 59 73 55°C6 |
| 1878 | Total maintenance, &c " { | 1sthalf Lud ,, | 968 33 | 730:03 193 42 | 721 % 714 S | 1 418 81 937 93 | 757 03 716 83 | 08 9_8 8° 847 | 770-25 91 ₄ 53 | 41967 503 29 | 941 69 79371 | 1,216 16 192 78 | 678 86 526 85 |
| 131c | PER TOTAL TRAIN MILE General superintendence (includ (ing office expenses) I c (| lethalf 2nd , | 191 | 1°37 1 69 | 134 139 | 1 46 1 20 | 0 93 1 00 | 0 70 0 85 | 1 '8 1 21 | 1 62 1 46 | 0.97 1.02 | 1 06 1 09 | 255 226 |
| 13°c | Maintenance and renewal of permanent way , } | 1st half 2nd ., | 6 3 5 | 3 13 2 50 | 1 16 1 50 | 7 45 3 .0 | 3 12 1 17 | 3 3, 2 87 | 3 82 2 93 | 279 3 00 | 4 19 2 62 | 610 435 | 6 37 5 64 |
| 1 39c | Repairs of budges, se " { | 1st half 2nd ,, | 0 16 | 2 9 5 0 17 | 0 78 1 11 | 1·29 0 88 | 0 15 0 73 | 0 98 1 36 | 0 51 0 77 | 0 .2 0 72 | 051 | 1 # 1 ob | 2 01 1 22 |
| 134 c | Censervancy of rivers ,, { | 1st half 2na ,, | | | | | | | | | 0 11 0 27 | 0 03 0 03 | |
| 135c | Repairs of stations and buildings, { | 1st half Lad ,, | 080 | 0 IS 0 77 | 1 03 0 86 | 1 62 1 29 | 1 03 1 38 | 0 71 0 73 | 071 076 | 031 041 | 1 23 1 10 | 1 72 1 35 | 1 08 0 61 |
| 136c | Other charges (not) ,, { | 1st half 2nd ., | 0 GS | 0 24 0 69 | 0 35 0 76 | 0 67 0 15 | 0 72 0 87 | 0 11 0 52 | 1 28 1 18 | 0 67 0 71 | 1-17 171 | 1 01 0 97 | 1 16 0 63 |
| 1876 | Total maintenance, &c " { | 1st halt 2nd " | 11 93 | 8 17 6 63 | 7 96 8 82 | 12 52 7 12 | 6 ° 5 5 15 | 6 28 6 36 | S 20 8 15 | 5 9 £ 6 4 5 | 831 716 | 11-36 9 19 | 13 17 9 35 |
| 131 <i>d</i> | PER 1,000 GROSS TON MILES General superintendence (includ 5 ing office expenses) R° { | 1sthalf 2nd " | 0 55 | 0 22 0 30 | 0 21 0 23 | 0 28 0 28 | 0 12 0 13 | 0 11 0 17 | 0 29 0 27 | 0 27 0 35 | 0 17 0 19 | 0 21 0 23 | 0.96 0.71 |
| 132d | Maintenance and renewal of permanent way ,, { | 1st half 2nd ,, | 2 37 | 0 50 0 52 | 0 70 0 76 | 1 12 0 81 | 0 13 0 16 | 0 61 0 55 | 0 70 0 86 | 0 15 0 51 | 0 71 0 48 | 1 22 | 2 40 1 46 |
| 133d | Repurs of bridges, &e " { | 1st half 2nd " | 0 04 | 0 48 0 03 | 0 12 0 22 | 0 25 0 22 | 0 0G 0 10 | 0 18 0 26 | 015 017 | 0 03 0 13 | 0 00 0 03 | 0.28 0.28 | 075 0 SS |
| 134d | Consorvancy of rivers . ,, { | 1st half 2nd ,, | İ | | | | | | | | 0 C2 0 05 | 0 01 0 01 | |
| 135d | Repairs of stations and buildings,, { | Isthalf 2nd 'c | 0 23 | 0 09 0 14 | 0 16 0 14 | 0 31 0 31 | 0 13 0 19 | 0 13 0 14 | 0 13 0 17 | 0 06 0 08 | 0 22 0 20 | 0.31 0.28 | 0 41 0 19 |
| 196d | Other charges (not) | 1st half 2nd ,, | 0 19 | 0 04 0 13 | 0 06 0 13 | 0 13 0 11 | 0 00 0 11 | 0 08 0 10 | 0 21 0 32 | 0 11 0 13 | 0.22 0.32 | 0 20 0 20 | 0 44 0 20 |
| 137d | Total maintenance, &c . , { | 1st lialf 2nd ., | 3 38 | 1 38 1 12 | 1·25 1 48 | 2 30 1 78 | 0 S3 0 G0 | 1 14 1 22 | 1 51 1 79 | 0.97 1 13 | 1 46 1 32 | 2 26 1 90 | 4 96 2 94 |

DIX 18—continued

(by systems) during each half-year of 1905—contd

do not propare those statistics

| | do not b | | 780 GWIII 1 | oigs | | 9/ | 3 <u>3</u> " | | | | | | ı | | 2′ 6″ | | GAUGE | |
|---|------------------------|---|--------------------|-------------------|--------------------|-------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------|------------------------------|--------------------------|---|-------------------|--|------------------|---|---------------------|
| | 12 | 14 | 15 (a) | (b) & (c) | 8 (c) | 18 | 11 (6) | 2 | 20 (a) & | 21 | 22 | 23 (a) | 1 (b) | 30 (a) | 9 (g) & (h) | 1 (e) | Number | |
| - | Bengal and North | (a) to (d) Bhav nagar Gondal Juna gad Por bandar | Burma | Eastern Bengal | Hydern bad Go- | Jodh pur Bi kanor | Noa l hali (Ben gal) | (g) to(m) Ruj putana Malwa | Rohil kund and Knmaon | Sonth Indian | Sonth ern Mah ratta | Udan pur- Chitor | Jnhbul poro Gondia exten sion | Kalka Simla | Khushal garh Kohat Thal and Nowshera Durgai | | Calender year 1905 by half years | Seral number |
| | WAY, | | | | | | | | | | | | | | | | | |
| | 86 69 91 68 | 86 08 49 72 | 128 17 136 21 | 115 66 113 45 | 116 90 111 45 | 1938 1834 | | 92 88 96 51 | 65 79 73 83 | 150 92 162 11 | 82 00 80 87 | 38 84 39 00 | 76 60 56 52 | 239 33 —161 66 | 136 40 169 51 | 6 09 6 24 | 1st half 2nd , | } 131a |
| | 232 32 254 84 | 1°9 54 241 49 | 585 12 440 63 | 337 77 275 23 | 777 36 405 80 | 171 31 239 68 | | 308 40 289 30 | 148 78 190 61 | 446 36 281 °6 | 354 27 281 83 | 116 59 273 07 | 86 93 45 32 | 59 51 | 232 36 187 06 | 131 93 116 16 | 1st half 2nd ,, | }132α |
| | 67 70 83 84 | 6 80 27 32 | 139 47 211 97 | 282 94 158 10 | 22:36 63 64 | 4 56 6 13 | | 54 0ა 90 პ7 | 37 56 47 00 | 41 87 116 51 | 51 72 51 61 | 0 37 0 47 | 14 63 | 2 93 | 100 14 155 42 | 8 63 4 32 | 1st half 2nd ,, | }133a |
| | 0 40 0 47 | | -0 06 0 18 | 0 57 | | | | | 6 25 -3 01 | | | | | | 1 67 | | 1st half 2nd ,, | }134a |
| | 45 32 50 38 | 15 41 33 11 | 115 29 83 67 | 107 89 92 27 | 42.78 43.80 | 17 06 10 49 | | 71 27 59 21 | 23 99 41 82 | 38 40 55 35 | 48 85 66 99 | 7 50 10 37 | 116 70 | 1 68 | 148 10 52 61 | 18 71 43 96 | 1st half 2nd ,, | }13°a |
| | 50 45 49 39 | 18 16 32 09 | 112 67 125 63 | 100 57 58 95 | 42 53 94 81 | 47 54 6 97 | | 24 06 72 31 | 13 ⁻ 31 35 46 | 94 57 4 75 | 45 07 49 41 | 11 90 10 40 | 3 98 43 91 | 1 33 | 50 05 45 59 | 1 28 48 06 | 1st halr 2nd ,, | }136a |
| | 452 85 530 60 | 325 99 381 03 | 1 079 66 £95 29 | 941 83 698 57 | 1,001 93 720 JU | 2°9 85 261 61 | | 550 66 607 70 | 295 63 388 71 | 655 98 622 71 | 581 91 530 71 | 20 د17 333 ع | 167 1 277 08 | 239 33 -96 21 | 668 72 610 18 | 166 61 218 74 | 1st half 2nd ,, | } 137a |
| | | | | | | | | | | | | | | | | | | |
| | 74 º5 79 31 | 78 36 45 20 | 110 09 116 31 | 96 45 | 105 16 100 28 | 1840 1742 | | 79 21 82 38 | 58 27 65 58 | 133 82 143 88 | 73 80 72 9↓ | 36 43 36 59 | 71 03 52 52 | 216 60 146 50 | 124 11 154 10 | 5 73 5 87 | 1st half 2nd ,, | } 1316 |
| | 200 85 220 46 | 181 64 219 51 | 502 54 376 25 | 28C 42 454 00 | 679 26 366 62 | 163 10 227 77 | | 262 98 245 93 | 191 74 168 79 | 395 78 249 38 | 318 81 25 1 17 | 109 37 2ა6 11 | 80 61 42 12 | 53 93 | 211 43 170 04 | 124 04 100 21 | 1st half 2nd , | }1328 |
| | 55 °3 72 5 3 | 6 19 24 83 | 115 93 181 00 | 239 92 134 42 | £0 10 57 26 | 4 34 5 82 | | 46 10 77 13 | 33 26 41 61 | 39.79 101.84 | 46 54 46 54 | 0 24 0 45 | 13 59 | 2 65 | °1 12 141 28 | 8 11 4 06 | 1st half 2nd ,, | 3336 |
| | 0 34 0 41 | | -0 05 0 16 | 0 43 | | | | | 5 53 -2 66 | | | | | | 1 52 | | 1st half 2nd ,, | 31346 |
| | 39 18 43 58 | 14 03 30 37 | 09 02 71 44 | 01 19 78 45 | 35 45 3J 11 | 16·24 9 98 | gal | 60 76 50 54 | 21 24 39 68 | 34 (15) 48 96 | 43 96 60 12 | 7 03 9 ₁ 3 | 108 44 | 1 52 | 134 77 47 82 | 17 59 41 32 | 1st half 2nd ,, | } 1356 |
| | 43 63 43 73 | 16 v3 29 18 | 97 76 107 27 | 25 28 50 13 | 38 26 65 23 | 15 23 6 63 | ın Bengal | 20 50 61 72 | 11 79 31 4) | -21.79 4 19 | 40 56 41 56 | 11 16 9 76 | 3 69 40 80 | 1 21 | 45 51 41 43 | 1 20 45 19 | 1st half 2nd ,, | } 1368 |
| | 417 49 459 02 | 296 75 349 12 | 927 28 852 43 | 801 18 533 Jo | 9#1 _6 648 26 | 247 11 267 62 | with the Assum | 469 55 518 69 | 261 83 344 20 | 581 (5 5.0 (5 | 523 · 7 478 63 | 164 31 312 63 | 155 33 257 47 | 216 60 -87 19 | 608 49 554 67 | 1 0 67 205 6. | 1st half 2nd ,, | 3 1376 |
| | 0 89 1 00 | 2 12 1 23 | 1 13 1 24 | 1 26 1 16 | 1 36 1 72 | 0 49 0 44 | ed with | 0 77 0 87 | 0 81 0 97 | 1 48 1 46 | 1 °3 1 02 | 1 61 1 53 | 2 <u>44</u> 1 66 | 2 69 1 93 | 2 14 1 96 | 0 17 0 18 | 1st half 2nd ", | }131¢ |
| | 2 38 2 77 | 4 91 6 9 | 5 17 4 01 | 3 67 2 83 | 9 06 6 28 | 4 33 5 80 | Includ | 2 55 2 60 | 2 00 2 51 | 4 37 2 54 | 4 46 3 55 | 4 81 10 67 | 277 1 33 | 0 71 | 3 64 2 17 | 3 86 3 34 | 1st half 2nd ,, | 1320 |
| | 0 f9 6 91 | 0 17 0 73 | 1 22 1 52 | C 07 1 62 | 0 26 0 93 | 0 12 0 15 | • • • | 0 45 0 81 | 0 51 0 62 | 0 44 1 07 | 0 65 0 65 | 0 01 0 01 | 0 43 | 0 04 | 1 57 1,80 | 0 25 0 12 | 1st half 2nd ,, | } 183c |
| | 0 01 | | | 0 01 | | | | | 0 08 -0 04 | | | | | | 0 03 | | 1st half 2nd ,, | } 134c |
| | 0 17 0 55 | 0 38 0 89 | 1 02 0 7o | 1 17 0 95 | 0 50 0 67 | 0 43 0 25 | | 0 58 0 53 | 0 32 0 59 | 0 37 0 50 | 0 61 0 84 | 0 31 0 40 | 3 43 | 0 02 | 2 12 0 61 | 0 55 1 26 | 1st half 2nd ,, | }1350 |
| | 0 50 0 54 | 0 15 0 84 | 1 00 1 14 | 1 0° 0 00 | 0 50 1 47 | 1 20 0 17 | | 0 19 0 66 | 0 17 0 46 | -0 21 0 03 | 0 57 0 62 | 0 49 0 41 | 0 13 1 29 | 0 01 | 0 78 0 53 | 0 04 1 38 | 1st half 2nd ,, | }1360 |
| | 4 94 5 77 | 8 (3 10 16 | 9 54 9 07 | 10 26 7 17 | 11 68 11 12 | 6 62 6 81 | | 1 54 5 47 | 3 97 5 11 | 6 42 5 60 | 7 32 6 68 | 7 26 13 02 | 5 34 8 14 | 2 69 -1 15 | 10 48 7 07 | 4 87 6 28 | 1st half 2nd ,, | }1376 |
| | 0 25 0 30 | 0 72 0 17 | 0 33 0 37 | 0 41 0 34 | 0 42 0 57 | 0 16 0 13 | | 0 20 0 23 | 0 31 0 32 | 0 50 0 49 | 0 34 0 35 | 0 54 0 43 | 0 86 0 57 | 2 41 1 47 | 1 83 2 06 | 0 12 0 16 | 1st half 2nd ,, | }131d |
| | 0 66 0 82 | 1 66 2 33 | 1 48 1 21 | 1 20 0 82 | 2 78 4 10 | 1 29 1 74 | | 0 66 0 72 | 0 70 0 85 | 1 17 0 87 | 1 48 1 22 | 1 64 3 42 | 0 97 0 46 | 0 54 | 3 12 2 27 | 2 56 2 85 | 1st half 2nd ,, | } }132a |
| , | 0 82 0 19 0 27 | 0 06 0 26 | 0 3n 0 58 | 1 00 0 47 | 0 08 0 35 | 0 03 0 05 | | 0 11 0 23 | 0 17 0 21 | 0 15 0 36 | 0 22 0 22 | 0 74 | 0 14 | 0 03 | 134 | 0 17 0 10 | 1st half 2nd ,, | } } } 133a |
| | | | 0 01 | | | | | , | 0 03 -0 01 | | | | - • | | 0 02 | | 1st half 2nd ,, | } 134d |
| | 0 13 0 16 | 0 13 0 32 | 0 29 0 23 | 0 38 0 28 | 0 15 0 22 | 0 13 0 03 | | 0 16 0 15 | 0 11 0 20 | 0 13 0 17 | 0 20 0 29 | 0 10 0 13 | 1 17 | 0 02 | 1 99 0 64 | 0 36 1 07 | 1st half 2nd ,, | }135d |
| | 0 14 0 16 | 0 15 0 31 | 0 29 0 34 | 0 36 0 17 | 0 16 0 49 | 0 36 0 05 | | 0 05 0 18 | [0 06 0 16 | -0 08 0 02 | 0 19 0 22 | 0 16 0 13 | 0 01 0 44 | 0 01 | 0 67 0 55 | 0 02 1 18 | 1st half 2nd " | }136a |
| | 1 37 1 71 | 2 72 3 69 | 274 274 | 3 35 2 08 | 3 59 3 71 | 1 97 2 05 | | 1 18 1 51 | 1 78 1 73 | 2 17 1 91 | 2 43 2 30 | 2 44 4 16 | 1 87 2 78 | 2 41 -0 87 | 8 97 7 41 | 3.23 5.86 | 1st half 2nd " | }137đ |
| • | · | | | | | | | | | | | | | | | , | 19 | - |

Analysis of working of each railway

Note -Railways not shown

| | | | | | | | | | | | No | TE —R | ulways | not and | WIL |
|----------------|---|--|-------------------|------------------|--|----------------|----------------|----------------|----------------|--------------|------------------------------------|-----------------------|-------------------------------|----------------------|--|
| | | GAUGE | | | | | 5′ | 6" | | | | 0 () | #0 (-) | - | - - |
| | | Nnmbsr | | 1 (a) | 2 (a) to | 3 (a) | (a) to (a | a) 5 (1 | | (a) 8 | (a) & (b) | 9 (a) to (f) | 10 (a) & (b) | 11 (| a) |
| Senal number | PARTICULARS | Calon dar ysar 1905 by half | Bengal Central | Bongal Nagpur | Bom bay, Baroda and Contral India | Bengal | East India | | ian M | | Nizam s Guar anteed State | North West ern. | Oudh and Rohil khane | Assa Beng | ral |
| - - | | yoars | | | | | | | | | TABLE | | | _ | VE 742 i |
| ļ | Averago price of Coal Rs - fuel per ton in Wood , | 1st hal 2ad ,, 1st hal 2nd ,, | f | 2 96 2 57 | 16 68 14 88 | | 7 1 | 97 1 97 1 | 111 1 32 | 10 79 | 4 68 4 67 | 13 61 13 76 | | | 44 |
| 138a | PER TOTAL TRAIN MILE General saperintondenes (inclinding office expen | { lst ha | 1 | 08 | | | | 75 | 0 62 0 69 | 0 57 0 60 | 0 88 0 81 | 0 56 0 58 1 4 | 3 0 | 63 | 1 04 0 98 1 70 |
| 139a | Ranning expenses | { lst hs | lf 12 | 3 2 S 2 S | | | | 2 19 2 17 | 2 77 2 80 | 1 97 | 1 82 1 82 | 15 | 1 1 | 12 | 1 61 2 73 |
| | Fuel " | { lst ha | lf 2 2 | 2 13 | | 2 2 | | 0 95 0 96 | 4 *2 4 39 | 4 61 4 32 | 2 00 1 83 | 5 3 | 8 3 | 12 36 | 2 40 |
| 140a | Water " | 1 lst h | uf 01 | 7 0 1 | | | | 0 11 0 12 | 0 31 0 33 | 0 33 0 29 | 0 27 | | 4 (| 12 | 0 21 0 21 |
| 141a 142a | Oil, tallow and other | 1st h | alf 0 | 4 0 | | | | 0 31 0 35 | 0 39 0 46 | 0 34 0 36 | 0 40 | | | 28 26 | 0 30 0 28 |
| 1420 | stores " | 2nd (1st h | | 2 | - 1 | - 1 | 83 | 2 58 | 3 45 | 4 63 | 16 | | 1 | 1 84 | 2 26 1 63 |
| 143a | Maintenance and renewal of locomotives ", | 2nd | | 2 | | `` | | 0 05 | 3 74 0 21 | 0 15 | | | | 0 12 | 0 04 |
| 143 A (a) | Maintonance and renewal of machinery, tools and plant | 1st h 2nd 1st l | ,, | 0 | 17 0 | 68 0 25 0 | 22 | 0 22 | 0 22 1 16 | 0 16 2 50 | 0 0 | 7 1 | 14 | 0 24 1 81 0 83 | 0 02 1 35 0 76 |
| 1440 | Other charges (net) | 2nd | | 1 | 54 1 | 09 (| 32 | 1 07 | 1 04 | 1 75 | - | | | - | |
| 14 5a | Total locomotive expen | { lat l 2nd | - | | | | 3 87 2 08 | 8 07 7 67 | 13 43 13 67 | | 8 7 7 7 | 21 12 13 | 70 02 | 8 60 8 41 | 9 63 7 89 |
| | Fnol consumed in $\left\{egin{array}{l} 	ext{Conl (Knrhu} \\ 	ext{baree} \end{pmatrix}\right. \left. l \\ 	ext{Wood} \right.$ | r { 1-t bs { 2nd , } 1st 2nd | 11 | | | | 2 46 0 79 | 71 68 67 81 | 56 92 51 34 | 59 8 59 6 | | | 72 | 53 68 52 83 | 49 26 42 53 |
| 138 | PLR ENGINE MILE 6 General superintendence (including office super | } 1st | half | ′ - | 1 | 0 86 | 0 43 | 0 56 | 05 | | | `` | 0 49 | 0 48 0 53 | 0 8 <u>6</u> 0 79 |
| | (including omco stylen sos) | ras (2nd | | l | | 0 89 2 50 | 0 37 | 0 57 1 62 | 24 | 2 1 | 61 1 | 52 | 1 30 | 0 98 0 95 | 1 39 1 29 |
| 139 | b Running expanses | ₹ 2nd | ı, | | | 2 52 5 56 | 1 21 | 1 63 0 71 | 3 9 | 14 3 | 89 1 | 67 | 4 52 | 2 65 2 87 | 22 |
| 140 | Fnol , | \ \\ \2a | d ,, | | 0 98 | 5 01 | 1 85 | 0 73 | 0 2 | 27 0 | 28 | าร | 0 18 | 0 10 | 01 |
| 141 | | | d " | 0 14 | 0 14 | 0 39 | 0 12 | 0 00 | 0.7 | 29 0 | 25 (| 33 | 0 21 | 0 11 | 0 10 |
| 142 | Oil, tallow and other stores | | t half d " | 0 28 | 0 25 | 0 38 | 0 07 | 0 26 | 0 4 | 41 0 | 30 | 29 L 69 | 0 28 2 83 | 0 23 1 20 | 18 |
| 15 | Maintenance and renewal of locomotives | 31 | t half | 2 72 | 1 74 | 3 97 | 1 27 4 22 | 1 93 1 52 | | - | | 1 41 | 2 37 | 1 57 | 1.3 |
| 149 | A Maintananae and renewal | | t balf | 0 05 | 0 06 | 0 50 | 0 42 | 0 03 | | - | | 0 13 | 0 29 | 0 10 0 21 | 00 |
| (1 | b) of machinery, tools and | | id " | 0 26 | 0 15 | 0 57 | 0 16 | 0 10 0 83 | 1 | 01 2 | 11 | 0 10 | 1 26 | 1 53 0 70 | 11 |
| 14 | | ,, { 1s | t half | | 1 30 | 0 92 | 0 22 | 0 00 | | 92 1 | 48 | 0 45 | 171 | 0 10 | |
| 14 | Total locomotivo expen | " { li | st half ad ,, | 6 72 | 7 25 7 62 | 14 42 14 65 | 5 98 8 33 | 5 90 5 70 | | | 66 | | 11 10 11 33 | 7 28 7 17 | 63 |
| | Coal (Kur bares) | $\frac{1}{lbs}$ | at half | 34 55 | 56°22 53 45 | 47 45 47 11 | 42 12 41 93 | 53 18 50 9 | | | | | 46 53 47 61 | 45 44 45 01 | 40 34 |
| | fuel consumed in terms of . Wood | $_{"}\left\{ \left[rac{1}{2} ight] ight.$ | st half nd ,, | . | | | ` | | | | | | " | - | <u> </u> |

DIX 18—continued

(by systems) during each half-year of 1905-contd.

do not prepare these Statistics

| | | | | | 3′ 3}″ | , | | | | | | | 2′ | 6" | | GAUGE | Ī |
|--|---|----------------|----------------------|---|------------------------------|--------------------------------|-------------------------|---------------------------------|----------------------|------------------------------|-----------------------|--|----------------|---|------------------------|---|----|
| 12 (a) & (b) | 14 (a) to (d) | 15 (a) | 3 (b) and (c) | S (c) | 18 (a) to (c) | 11 (b) | 2 (g) to (m) | 20(a) & (b) | 21 (a) to (f) | 22 (a) to (j) | 23 (a) | 1 (b) | 30 (a) | 9 (g) &(h) | 1 (c) | Number | |
| Bengal and North- West ern | Bhay nagar Gondal Juna gad Por- bandar | Burma | Eastern Bengal | Hydera bad Goda Vari Valloy | Jodh pur- Bika- ner | Noa- khalı (Ben- gal) | Rajpu tana- Malwa | Robil kund- and Kumaou | Sonth Indian | Sonth ern Mah ratta | Udai pur Chitor | Jubbul pore- Gondia exten sion | Kalka Sımla | Khushal garh Kohat Thal and Nowshsra Durgai. | Raipur Dham tari | Calendar year 1905 by half years | |
| 5 98 6 01 | 15 99 15 71 | 11 16 11 18 | 7 10 7 4 9 | 6 54 4 77 | 11 88 14 15 | | 14 58 15 02 | 10 77 7 68 | 12 77 12 82 | 10 92 10 84 | 18 32 20 02 | 2 85 2 50 | 21 00 21 00 | 14 73 14 21 | 2 90 2 50 | 1st half 2nd ,, 1st half 2nd ,, | |
| Λ 40 | 0.50 | 0:90 | 0.00 | 0.00 | 0.45 | | 0.00 | 0.01 | | | | | 0.00 | 0 62 | 0.50 | 1.47.16 | - |
| 0 42 | 0 82 0 10 | 0 92 | 0 69 0 54 | 0 90 1 20 | 0 45 0 39 | | 0 60 0 65 | 0 85 0 87 | 0 60 | 0 78 0 75 | 1 78 1 70 | 0 59 1 06 | 0 38 0 59 | 0.58 | ļ : | 1st half 2nd " | |
| 0 81 0 78 | 1 18 1 23 | 2 66 2 66 | 1 17 1 10 | 1 45 1 55 | 0 78 0 71 | | 1 72 1 86 | 0 76 0 73 | 1 54 1 18 | 1 76 1 70 | 0 91 0 78 | 1 31 1 25 | 2 25 2 64 | 1 30 1 08 | i i | 1st half 2nd ,, | h |
| 1 82 1 53 | 3 37 | 3 9a | 189 | 1 33 | 3 82 | | 3 88 | 3 29 | 3 07 | 2 74 2 73 | 3 99 | 105 | 9 35 | 1 93 | 1 . | 1st half 2nd ,, | ß |
| 0 16 | 3 17 0 17 | 3 68 0 82 | 2 09 0 16 | 1 38 0 16 | 4 47 0 34 | | 8 t9 0 28 | 2 40 0 17 | 2 96 0 20 | 0 22 | 4 35 0 23 | 0 82 0 28 | 8 41 2 51 | 1 81 0 64 | 0 34 | 1st half | |
| 0 15 0 19 | 0 18 | 0 31 0 39 | 0 16 0 23 | 0 20 0 28 | 0 43 0 32 | | 0 29 0 26 | 0 14 0 18 | 0 13 | 0 21 0 17 | 0 20 0 21 | 0·22 0 18 | 1 67 0 73 | 0 52 | 0 30 | 2nd ,, | ľ |
| 0 20 0 97 | 0 82 1 43 | 0 37 1 73 | 0 25 2 64 | 0 24 | 0 32 | | 0 28 | 0 28 | 0 23 | 0 17 | 0 23 | 0 24 1 47 | 0 78 2 51 | 0 36 | 0 15 | | ŀ |
| 0 91 | 160 | 0 20 | 1 50 | 1 23 | 1 44 1 13 | | 2 93 | 1 14 0 98 | 3 90 1 33 | 2 28 2 04 | 2 76 1 26 | 0 87 | 164 | 167 | 0 75 | 2nd ,, | |
| 0 01 | 0 16 | 0 15 | 021 | 0 14 | 0 11 | | 0 84 | 0 17 | 0 10 | 0 23 | 0 18 | 0 05 | | 0 13 | 0 12 | 1st half | |
| 0.79 | 0 10 | 2 86 0 60 | 0 22 | 0 15 | 0 10 | | 0 43 | 014 | 0 09 | 0 21 | 0 21 | 0 01 | 0 06 0 61 | 0 18 0 25 | -0 10 | 2nd ,, | |
| 0 79 0 53 | -0 01 0 01 | 1 06 | 1 72 0 45 | 1 08 1 07 | 0 57 0 76 | | 0 71 0 68 | 0 41 0 35 | 0 22 0 15 | 0 95 1 19 | | 3 44 3 27 | 0 61 | 0 31 | 1 58 1 34 | 1st half 2nd ,, | |
| 5 20 4 62 | 7 42 7 56 | 10 69 12 06 | 8 74 6 31 | 6 03 7 02 | 7 83 8 60 | Inoluded with the Assam Bongal | 9 90 10 80 | 6 97 5 89 | 9 86 7 06 | 9 13 9 00 | 10 0ь 8 73 | 8 37 7 74 | 18 34 16 00 | 6 90 6 51 | 5 46 4 10 | 1st half 2ad " | |
| 4° 56 35 33 | 29 47 28 28 | 19 61 46 10 | 97 23 39 01 | 99 14 49 37 | 45 06 44 18 | tho Ass | 37 26 34 41 | 42 78 43 83 | 37 72 32 37 | 35 15 35 29 | 25 80 30 39 | 52 01 46 12 | 74 49 67 09 | 18 33 17 82 | 31 97 23 72 | 1st half 2nd " | |
| | | | | | | ded with | | | | | | | | | | lst half 2nd ", | |
| | | | | | | Inolu | | | | | | | | | | | 1 |
| 0 34 | 0 7± 0 81 | 0 74 0 76 | 0 54 | 0 83 1 08 | 0 42 | | 0 51 0 56 | 0 68 | 0 54 | 0 63 0 67 | 1 67 1 59 | 0 50 | 0 35 | 0 50 | 0 52 | 1st half 2nd " | |
| 0 66 0 64 | 1 06 1 12 | 2 19 2 19 | 0 92 0 85 | 1 31 1 40 | 0 73 0 67 | | 1 48 1 60 | 0 61 0 60 | 1 41 1 45 | 1 55 1 52 | 0 85 0 73 | 1 10 1 04 | 2 05 2 38 | 1 05 0 89 | 1 10 0 99 | 1 t half 2nd ,, | |
| 1 49 | 3 03 | S 25 | 1 49 | 1 21 | 3 58 4 21 | | 3 35 3 18 | 2 64 | 2 80 2 72 | 2 40 | 9 74 4 07 | 0 89 0 69 | 8 52 7 58 | 1 56 1 48 | 0 65 0 42 | 1st half 2ud ,, | ľ |
| 1 25 0 13 | 2 89 0 15 | 0 26 | 1 61 0 12 | 0 15 | 0 32 | | 0 24 | 1 93 0 14 | 0 18 | 2 45 0 19 | 0 22 0 19 | 0 23 | 2 29 1 51 | 0 52 | 0 33 | 1st half | ľ |
| 0 12 0 16 | 0 16 0 27 | 0 25 0 31 | 0 12 0 18 | 0 18 0 25 | 0 40 | | 0 25 | 0 11 | 0 11 | 0 19 | 0 19 | 0 19 | 0 66 | 0 42 | 0 30 | 2nd " 1st half | |
| 0 16 6 80 | 0 29 1 29 | 0 30 1 42 | 0 20 2 03 | 0 21 0 62 | 0 30 1 36 | | 0 24 1 83 | 0 17 | 3 55 | v 15 1 99 | 0 22 | 0 20 1 24 | 0 71 | 0 29 | 0 15 | 2nd ,, 1st half | ľ |
| 0 78 | 1 50 | 2 37 | 1 16 | 1 10 | 1 34 | | 2 52 | 0 81 | 1 21 | 1 83 | 1 18 | 0 73 | 1 49 | 1 37 | 1 0 73 | 2nd ,, | l |
| 0 03 | 0 15 | 0 12 | 0 19 | 0 13 | 0 10 | | 0 30 | 0 13 | 0 09 | 0 20 | 0 17 | 0 04 | 0.05 | 0 11 | 0 12 | 1st half | |
| 0 04 | 0 09 | 0 17 0 49 | 0 17 | 0 14 | 0 09 | | 0 87 | 0 11 0 33 | 0 08 0 21 0 14 | 0 19 | 0 20 | 2 90 2 73 | 0 05 | 0 15 0 20 | -0 10 1 55 | 2nd " 1st half | I. |
| ŏ 44 | 0 01 | 0 87 | 0 35 | 0 96 | 6 72 | | 0 59 | 0 24 | 0 14 | 1 07 | | 2 73 | 0 21 | 0 26 | 1 31 | 2nd " | |
| 4 25 3 80 | 6 68 6 87 | 8 78 9 95 | 6 88 4 89 | 5 48 6 30 | 7 34 8 10 | | 8 55 9 31 | 5 60 4 73 | 8 99 •48 | 7 99 8 07 | 9 <u>42</u> 8 18 | 7 05 6 46 > | 16 72 14 44 | 5 58 5 34 | 5 36 4 34 | 1st half 2nd " | |
| 31 83 29 05 | 26 57 25 69 | 40 78 38 03 | 29·27 30 13 | 35 55 36 25 | 42 22 41 63 | | 32 18 29 61 | 34 36 35 25 | 30 73 29 68 | 30 78 31 64 | 27 50 28 46 | 43 78 33 50 | 67 89 60 53 | 14 82 14 62 | 31 40 23 41 | 1st half 2nd ,, | |
| | | | | | | | | | | | | - | - | | } | 1st half 2nd ,, | |

Analysis of working of each railway

Note -Railways not shown

| J - | | | | | | | | | | | Note —R | aminays I | O SHOWE | • } • |
|----------------|---|---|-------------------|------------------|---|-------------------|------------------|------------------------------|--------------------------|---|------------------|-------------------------------|-----------------|----------|
| , | | GAUGE | | | | | | 5′ 6″ | | | | <u> </u> | | ı |
| ę. | 7 | Num ber | | 1 (a) | 2 (a) to (f) | 3 (a) , | 4 (a) to (d) | 5 (a) to (f) | 6 (a) to | 8 (a) & (b) | 9 (a) to(f) | 10 (a) & | 11 (α) | |
| Serial number. | Particulars. | Calen dar yesr 1905 by half years | Bengal Contral | Bengal Nagpur | Bom bay Baroda and Central India | Castern Bengal | East Indian | Great Indian Peninsala | Madras | The Nizam's Gnaran teed State | North Western | Ondh and Rohil khand | Assam Bengal | P |
| | PER 1,000 GROSS TON MILES | | | | | | | | | TAB | LEB-I | OCOM | OTIVE | |
| 13 8c | General superintendence (includ (| | 0 15 | 0 13 0 21 | 0 16 0 18 | 0 12 0 13 | 0 09 0 10 | 0 11 0 13 | 0 11 0 11 | 0 14 0 14 | 0 10 | 011 | 0 89 | } |
| 139c | Rnning expenses , { | 2nd , 1st half | 0 35 | 0 37 0 44 | 0 47 0 50 | 0 43 0 43 | 0 28 0 29 | 0 50 0 54 | 0 35 | 0 30 0 82 | 0 26 0 28 | 0 23 | 0 04 0 51 | |
| 140 c | Fuel , | 2nd " let half | 0 63 | 0 23 0 21 | 107 | 0 51 0 60 | 0 12 0 13 | 0 82 0 84 | 085 | 0 33 0 32 | 0 90 | 0 62 0 70 | 1 03 0 76 | |
| 141c | Water | 2nd " 1st half | 0 05 | 0 03 | 0 08 | 0 04 | 0 01 | 0 06 | 0 06 | 0 01 | 0 04 | 0 03 | 0 08 | |
| 142c | O.I. fallow and other stores | 2nd ,, 1st half | 0 09 | 0 03 | 0 08 | 0 02 | 0 02 | 0 06 | 0 05 | 0 01 | 0 01 | 0 03 | 0 06 | |
| 143c | Maintonance and renewal of | 2nd " 1st half | 0 94 | 0 33 | 0 08 | 0 06 | 0 05 | 0 09 | 0 06 | 0 06 | 0 06 | 0 05 | 0 09 | |
| 143 | locomotives ,, ? Maintenance and renewal of | 2nd ,, 1st half | 0 02 | 0 39 | 0 79 | 0 12 | 0 27 | 0 72 | 0 59 | 0 29 | 0 50 | 0 38 | 0 51 | |
| .A(c) | machinery, tools and plant " ? | 2nd 1st half | | 0 03 | 0 11 | 0 05 | 0 03 | 0 04 | 0 03 | 0 02 | 0 05 | 0 00 | 0 50 | 1 |
| 144c | Other charges (not) ,, { | 2nd " | | 0 28 | 0 18 | 0 08 | 0 14 | 0 20 | 0 33 | 0 10 | 0 36 | 0 17 | 0 24 | ' |
| | | 1st half | 2 32 | 1 38 | 2 72 | 1 69 | 1 02 | 2 43 | 2 77 | 131 | 2.93 | 171 | 3 63 | |
| 145c | Total locomotive expenses ,, { | 2nd " | | 1 65 | 2 91 | 2 95 | 1 03 | 2 62 | 2 77 2 31 | 1 29 | 2 23 2 39 | 174 | 2 48 | |
| | Coal (Knr- lbs) | 1st half | 191 01 | 171 84 185 37 | 143 47 149 51 | 190 96 237 46 | 145 85 145 63 | 164 63 166 70 | 175 97 177 00 | 155 54 153 60 | 149 8J 160 9J | 17) 08 | 297 01 | |
| | Fuel consumed hurbarce | 2nd , 1st half | | 189 37 | 149 91 | 201 20 | 135 65 | 100 10 | 17750 | 155 00 | 100 93 | 175 21 | 214 20 | |
| | | 2nd , | | | | | | | | | | 1 | | 1 |
| | PER TOTAL TRAIN MILE | | | | | | | | } | TABLI | C-CAI | RRIAG | II AND |) |
| 146a | General superintendence (in { eluding office expenses) Annas { | 1st half 2nd " | 0 27 | 0 18 0 24 | 0 40 0 41 | 0 46 0 31 | 0 19 0 20 | 0 19 0 22 | 0 24 0 26 | 0 22 | 0 09 | 0 18 | 0 33 0 31 | |
| 147a | Repairs and renewals of coaching vohicles ,, | 1st half 2nd " | 1 04 | 0 97 1 26 | 1 96 1 85 | 2 41 1 18 | 0 85 2 97 | 1 04 1 36 | 0 93 0 92 | 0 87 0 53 | 0 70 0 64 | 0 67 0 68 | 0 90 0 81 | |
| 148a | Repairs and renowals of goods vehicles ,, { | 1st half 2nd ,, | 0 75 | 0 71 0 63 | 2 46 1 78 | 1 62 1 54 | 0 89 0 91 | 1 22 1 32 | 2 26 2 9 ₀ | 0 94 1 07 | 0 S1 0 S7 | 0 37 0 2 <i>)</i> | 1 46 0 98 | |
| 148A (a) | Repairs and renewals of smachinery, tools and plant ,, | 1st half 2nd ,, | -0 01 | 0 02 0 05 | 0 19 0 16 | 0 06 0 03 | 0 11 0 07 | 6 09 0 10 | 0 10 0 12 | 0 04 0 03 | 0 02 0 04 | 0 03 0 05 | 0 02 0 02 | - |
| 149a | Cleaning and oiling " { | 1st half 2nd ,, | 0 43 | 0 54 0 47 | 0 51 0 49 | 0 32 0 23 | 0 21 0 22 | 0 45 0 50 | 0 83 0 83 | 0 40 0 34 | 0 30 0 31 | 0 37 0 32 | 0 22 0 23 | |
| 150a | Other charges (net) ,, { | Ist baif 2nd ,, | | 0 02 0 07 | 0 03 0 20 | 0 02 0 01 | 0 03 0 02 | 0 02 0 01 | 0 53 0 79 | 0 01 | 0 04 0 07 | 0 01 0 01 | -0 02 | |
| 1 | | ~ | | | | | - 1 | | | | | | | |
| 151a | Total carriage and wagen expenses ,, { | 1st holf 2nd , | 1 63 | 2 44 2 72 | 5 5 5 4 89 | 4 89 3 30 | 2 28 4 39 | 3 01 3 51 | 4 44 5 37 | 2 48 2 16 | 1 99 2 02 | 1 63 1 61 | 2 91 2 35 | |
| | PER 1,000 VEHICLE MILES RUN | | | | | | | | | | | | | 1 |
| 1466 | BY HOML VEHICLES | 1oh bals | 1 32 | 0 88 | 0 95 | 1 45 | 0.43 | 0 63 | 9 77 | 0 43 | 0.07 | 0.41 | 1.10 | |
| | General superintendence (including office expenses) Rs | 1st half 2nd , | 4 67 | 0 61 | 1 09 | 0 95 | 0 41 0 46 | 0 78 | 0 78 | 0 45 | 0 27 0 28 | 0 41 0 63 | 1 19 | : |
| 147b | Repairs and renewals of ceach ing vehicles calculated on con ,, } ching vehicle mileage | 1 1 | | 2 05 13 14 | 13 09 11 41 | 16 52 9 27 | 7 61 24 83 | 11 30 12 41 | 8 93 8 37 | 8 54 5 37 | 6 44 5 37 | 5 31 5 14 | 6 69 6 47 | ı |
| 1485 | Repairs and renewals of goods vobicles calculated on goods ,, { vehicle mileage | 1st half 2nd " | 4 53 | 1 51 2 15 | 9 26 8 12 | 9 58 7 74 | 2 52 2 81 | 5 96 7 76 | 10 85 18 57 | 2 70 5 83 | 3 63 4 31 | 1 19 1 27 | 9 96 5 14 | |
| 148A (6) | Repairs and renewals of ma | 1st half 2nd ,, | | 0 05 0 13 | 0 47 0 42 | 0 18 0 07 | 0 23 0 15 | 0 20 0 37 | 0 30 0 85 | 0 09 0 07 | 0 07 0 12 | 0 0G 0 15 | 0 04 0 05 | 74. |
| 14 9b | Cleaning and oiling " { | 1st half 2nd ,, | 2 17 | 1 14 1 22 | 1 22 1 29 | 1 02 0 71 | 0 46 0 49 | 1 52 1 77 | 1 04 1 02 | 0 90 0 82 | 0 88 0 99 | 0 87 0 90 | 0 78 0 71 | |
| 150 6 | Other charges (net) , { | 1st half 2nd ,, | { | 0 05 0 16 | 0 08 0 53 | 0 06 | 0 06 0 05 | 0 07 0 05 | 1 66 2 43 | 0 01 | 0 11 0 21 | 0 03 0 12 | -0 07 0 02 | |
| 1516 | Total carriage and wagon | 1st half | 8 06 | 5 18 | 13 37 | 15 51 | 4 92 | 10 14 | 13 97 | 5 50 | 5 86 | 3 75 | 10 83 | |
| 1010 | expenses " | 2nd ,, | 5 50 | 7 02 | 12 85 | 10 10 | 9 92 | 12 55 | 16 39 | 5 14 | 6 30 | 4 50 | 7 45 | |

DIX 18—continued

(by systems) during each half-year of 1905-contd

do not prepare these statistics

| | | | - | | | | | | | | | | _ | | | | | |
|---|------------------|--|------------------|-------------------|--------------------------------------|------------------------|--------------------------------|------------------------|------------------------------|----------------------|------------------------------|------------------------|--|--------------------|--|-------------------------|---|----------------------|
| 5 | | 1 7 1 | | | ı | 8': | B}" | 1 - | 1 | 07.43 | 1 22 | 1 | | 1 | 2'6" | 1 | GAUGE | 1 |
| 1 | 12 (a) & (i) | 14 (a) to (d) | 15 (a) | (b) & (c) | 8 (c) | 18 (a) to (c) | 11 (b) | (g) to (m) | 20(a) & (b) | 21 (a) to (f) | (a) to (1) | 23 (a) | 1 (b) | 30 (a) | 9 (a) & (h) | 1 (c) | Number | ä |
| * | North | Bhav- nugar Gondal Junu gad Por- bandar | Bnrma | Eastern Bengal | Hydera bal Go davarı Valley | Jodh pur Bikaner | Noa khali (Ben gal) | Rajput ana Malwa | Rohil kund and Kumaon. | South Indian | South ern Mab ratta | Udai par- Chitor | Jubbul- porc Gondia oxten sion | Kalka Sımla | khnchal garh Kohat Thal and Nowshera Durgai | Raipnr- Dham tari | Calendar year 1905 by half years | Serial number |
| | EXPEI | VSES- | concld | | | | | | 10 | | | | | | | | | |
| | 0 12 0 14 | 0 28 0 32 | 0 26 0 29 | 0 23 0 16 | 0 28 0 10 | 0 18 0 12 | | 0 15 0 18 | 0 30 0 31 | 0 20 0 21 | 0 26 0 26 | 0 59 0 54 | 0 20 0 36 | 0 34 0 45 | 0 53 0 61 | 0 35 0 47 | 1st half 2nd ,, | } 138c |
| | 0 23 0 23 | 0 39 0 45 | 0 76 0 80 | 0 38 | 0 44 0 52 | 0 23 0 21 | | 0 45 0 51 | 0 27 0 26 | 0 52 0 54 | 0 58 0 59 | 0 30 0 26 | 0 46 0 43 | 2 02 2 01 | 1 11 1 14 | 0 74 0 85 | ist half 2nd | }139c |
| | 0 51 0 46 | 1 14 1 15 | 1 11 1 11 | 0 62 0 61 | 0 41 0 46 | 1 14 1 3 i | | 1 00 1 02 | 1 14 0 81 | 1 01 | 0 91 0 94 | 1 36 1 39 | 0 88 0 28 | 8 38 6 43 | 1 65 1 90 | 0 44 0 36 | 1st half 2nd ,, | } }140o |
| | 0 05 0 05 | 0 06 | 0 09 | 0 05 | 0 05 0 06 | 0 10 0 13 | | 0 07 0 03 | 0 06 0 05 | 0 07 | 0 07 0 07 | 0 03 0 07 | 0 10 0 08 | 2 1.5 1 28 | 0 55 0 54 | 0 23 0 26 | 1st half 2nd | } }141 <i>c</i> |
| Ì | 0 05 0 06 | 0 10 0 12 | 0 11 0 11 | 0 08 0 07 | 0 08 | 0 09 0 10 | | 0 07 0 08 | 0 06 0 08 | 0 07 | 0 06 0 06 | 0 07 0 07 | 0 06 0 08 | 0 65 0 60 | 0 35 0 37 | 0 11 0 12 | 1st half 2nd | } }1420 |
| | 0 28 0 28 | 0 47 0 60 | 0 50 0 87 | 0 86 0 41 | 0 22 0 41 | 0 43 0 43 | | 0 55 0 80 | 0 40 0 34 | 1 32 0 45 | 0 76 0 71 | 0 93 0 89 | 0 52 0 80 | 2 25 1 25 | 1 39 1 75 | 0 62 0 64 | 1st half 2nd ,, | }143c |
| | 0 01 0 02 | 0 06 0 04 | 0 04 20 0 | 0 09 | 0 04 0 05 | 0 04 0 03 | | 0 09 0 12 | 0 05 0 05 | 0 03 | 0 07 0 07 | 0 06 0 07 | 0 02 | 0 01 | 0 11 0 19 | 0 08 -0 08 | 1st half 2nd | } } 143 } A(c) |
| ¥ | 0 22 0 15 | -0 01 | 0 17 0 32 | 0 56 0 12 | 0 33 0 37 | 0 17 0 23 | | 0 18 0 18 | 0 14 | 0 08 0 05 | 0 32 0 41 | 001 | 1 20 1 12 | 0 55 0 18 | 0 21 0 33 | 1 05 1 14 | 1sthalf 2nd ,, | } A(c) }1440 |
| | 0 13 | | 034 | 012 | 0 37 | 0 40 | | 0 18 | 0 10 | 0 00 | 0 21 | | 115 | | - 033 | | 211tt ,, | , |
| | 1 47 1 39 | 2 51 2 75 | 3 07 3 64 | 2 86 1 83 | 1 85 2 35 | 2 33 2 59 | | 2 56 2 97 | 2 42 2 00 | 3 33 2 41 | 3 03 8 11 | 8 09 2 79 | 2 91 2 65 | 16 44 12 24 | 5 90 6 83 | 3 62 3 76 | 1st half 2nd ,, | }145c |
| * | | | 00= 0= | 104 50 | 103.00 | 07/10 | [a] | 151.01 | | 100.05 | 700.00 | | 007.00 | 1.000.10 | 050.00 | | | |
| | 192 18 170 21 | 159 C3 164 69 | 227 97 222 52 | 191 76 181 08 | 192 23 216 00 | 214 49 212 89 | Beng | 154 34 151 63 | 237 40 237 81 | 182 07 176 89 | 186 69 191 03 | 149 57 155 43 | 291 69 252 84 | 1,068 18 821 08 | 250 96 299 10 | 339 35 324 00 | 1st half 2nd ,, | |
| | | | | | | | Леван | | | | | | | | | | 1st half 2nd ,, | |
| | WAGO | n exp | ENSES | 3 | | | il tho | | | | | | | | | | ł | |
| | 0 15 0 16 | 0 21 0 26 | 0 26 0 27 | 0 26 0 26 | 0 12 0 15 | 0 16 0 14 | snoladed with the Assam Bengal | 0 23 0 26 | 0 39 0 89 | 0 20 0 20 | 0 24 0 23 | 0 45 0 40 | 0 13 0 25 | 0 27 0 58 | 0 08 0 05 | 0 12 0 13 | 1st half 2nd ,, | }146α |
| | 0 38 0 39 | 0 33 1 05 | 0 G6 0 76 | 1 15 0 87 | 0 24 0 32 | 0 56 0 48 | Includ | 1 11 1 30 | 0 81 0 54 | 0 69 0 58 | 0 96 0 87 | 0 28 0 36 | 0 68 1 78 | 0 46 1 D9 | 0 83 0 40 | 0 10 0 50 | 1st half 2nd ,, | } 147α |
| | 0 14 0 40 | 0 º8 1 59 | 0 85 1 13 | -0 &5 0 20 | 0 23 0 25 | 0 30 0 37 | | 1 40 1 37 | 0 56 0 44 | 0 SS 1 04 | 0 98 0 76 | 0 01 0 22 | 0 18 0 39 | 0 27 0 39 | 0 45 0 17 | 0 12 0 14 | 1st half | }148¢ |
| * | 0 02 0 03 | 0 (8 0 05 | 0 06 0 06 | 0 01 0 03 | 0 03 0 02 | 0 01 0 01 | | 0 11 0 10 | 0 05 0 05 | 0 03 0 03 | 0 05 0 04 | 0 03 0 02 | 0 01 | 0 21 0 01 | 0 01 | 0 02 | 1st half 2nd ,, | } 148 } & (a) |
| | 0 29 0 31 | 0 21 0 24 | 0 28 0 27 | 0 32 0 31 | 0 18 0 23 | 0 23 0 20 | | 0 29 0 31 | 0 27 0 32 | 0 29 0 25 | 0 19 0 19 | 0 50 0 49 | 0 49 0 45 | 0 72 0 43 | 0 51 0 44 | | 1st half 2nd ,, | }149α |
| | 0 01 0 02 | | 0 02 0 03 | 0 03 0 03 | 0 01 | 0 01 0 01 | | 0 02 -0 29 | | -0 01 -0 01 | 0 01 0 01 | 0 01 | 0 02 0 10 | 0 01 -0 98 | 0 04 0 07 | 0 03 0 03 | 1st half 2nd | }150a |
| | | | | | | | | | | | | | | | | | | • |
| | 1 29 1 31 | 1 84 3 10 | 2 13 2 52 | 0 95 1 71 | 0 81 0 07 | 1 30 1 24 | | 3 16 3 05 | 2 11 1 74 | 2 05 2 06 | 2 43 2 08 | 1 80 1 50 | 1 50 2 98 | 1 94 2 45 | 1 92 1 13 | 0 68 1 04 | 1st half 2nd ,, | }151a |
| | | | | | | | | | | | | | | | | | | |
| | 0 35 0 40 | 0 62 | 0 67 0 72 | 0 77 | 0 37 | 0 45 | | 0 50 | 1 02 | 0 62 | 0 67 | 1 18 | 0 36 | 2 47 | 0 47 | 0 46 | 1st half 2nd ,, | }1468 |
| | 2 29 2 13 | 0 69 1 66 | 4 83 | 0 74 3 41 | 0 53 2 57 | 3 28 | | 0 62 8 27 | 1 01 6 04 | 0 65 4 14 | 0 66 8 58 | 1 06 | 0 75 1 96 | 4 49 4 25 | 0 31 8 98 | 0.38 | 1st half | } }1476 |
| | 164 | 4 C6 5 12 | 5 47 3 32 | 5 59 2 53 | 2 67 | 2 82 1 63 | | 8 00 4 48 | 3 51 2 35 | 8 75 5 64 | 7 17 3 98 | 1 42 0 30 | 12 85 0 54 | 15 47 2 57 | 5 18 5 37 | 0 14 | 2nd ,, 1st half | }1488 |
| - | 1 75 0 05 | 10 11 0 20 | 4 95 0 14 | 0 99 0 13 | 1 50 0 11 | 2 02 0 12 | | 5 46 0 25 | 2 02 0 12 | 6 85 0 1 0 | 3 25 0 14 | 1 88 | 2 07 | 3 01 1 99 | 1 94 0 07 | 0 01 | 2nd " 1st half | 7 148 |
| , | 0 07 0 65 | 0 14 0 54 0 63 | 0 16 0 71 | 0 10 | 0 06 0 57 | 0 10 | | 0 24 0 65 | 0 18 0 70 0 85 | 0 10 | 0 12 0 54 | 0 01 1 33 | 0 04 1 43 | 0 30 6 75 | 0 02 2 92 | 1 13 | 1st half | } A(b) } 149b |
| 1 | 0 74 | 0 63 0 01 | 0 74 0 05 | 0 87 0 09 | 0 77 | 0 55 | | 0 75 | | 0 83 | 0 58 | 1:30 | 1 37 | 3 38 0 03 | 2 64 0 21 | 0.13 | 1st half | • |
| | 0 04 | | 0 07 | 0 (9 | 0 03 | 0 02 | | -0 70 | 0 02 | -0 14 | -0 03 | 0 03 | 0 33 | -7 62 | 0 40 | 0 17 | 2nd ,, | }150ö |
| , | 2 97 3 17 | 4 80 8 13 | 5 43 6 85 | 2 £3 4 78 | 2 57 3 37 | 3 72 3 50 | | 7 06 7 37 | 5 56 4 68 | 6 36 6 73 | 6 79 5 86 | 3 76 5 73 | 4 35 9 06 | 18 06 19 03 | 10 92 6 81 | 2 55 6 05 | 1st half 2nd ,, | }1518 |

APPEN

Analysis of working of each railway

Nort -Railways not shown

| | | IGAUGE | | | | | | 5' G" | | | | | |
|----------------------|---|--|-------------------|----------------------|--|-------------------|-----------------|------------------------------|---------------|--|-----------------|-------------------------------|-----------------|
| | | Number | | 1 (a) | (n) to (f) | 3 (a) | 4 (a) to (d) | (a) to (f) | (a) to (c) | 8 (d) & (n) | 9 (a) to (f) | 10 (a) & (b) | 11 (c) |
| Serial number | Particulars | Calon dar year 1905 by half- yoars | Bongal Contral | Bong 1 Nagpar | Bombay, Baroda and Central India | Eastern Bongal | 7 ast | Great Indian Peninsala | Yndra | Tho \izim 6 Guaran tecd \tan \tan \tan | | Ondh and Pohil khand | Aseam Bengal |
| • | PER TOTAL TRAIN MILE | | | | | | | | | 7 | ABLE | D-TR | AFFIC |
| 152a | General superintendence (includ- | lst half | 1 07 | 0 89 1 01 | 0 °0 0 85 | 1 39 1 16 | 0 85 0 86 | 0 50 0 57 | 078 081 | 0 00 | 0 50 0 13 | 074 071 | 0 91 83 0 |
| 1 58a | • | { lat half 2nd ,, | 3 22 | 2 23 2 13 | 7 37 3 20 | 6 45 5 58 | 279 280 | 2 0 1 2 1 9 | 2 11 2 15 | 1 º3 1 85 | 2 12 | 263 | 2 23 2 91 |
| 1~4a | Train staff , | ist half | 0 55 | 0 70 0 69 | 6 87 0 85 | 1 18 0 99 | 1 14 1 16 | 1 30 1 38 | 0 67 | 0 71 0 63 | 0 £0 0 72 | 0 82 0 87 | 0 G3 0 G3 |
| 155a | Fnol, lighting, water and general stores | 1st balf | 0 46 | 0 52 0 38 | 0 73 0 89 | 0 97 1 14 | 0 60 | 0 62 0 83 | 0 50 | 0 49 6 35 | 0 '3 0 '3 | 0 54 0 51 | 0 54 0 41 |
| 156n | Clothing , | lst half 2nd | 0 02 | 0 05 0 02 | 0 12 | 0 10 0 09 | 0 03 | 0 07 0 07 | 0 03 | 0 01 | 0 01 | 0 16 | 0 12 0 02 |
| 157a | Printing, stationery and tickets | { 1st half 2nd , | 0 11 | 0 18 0 25 | 0 49 0 59 | 0 40 0 37 | 0 25 0 31 | 0 17 0 20 | 0 11 | 0 27 0 25 | 015 | 026 480 | 0 25 0 27 |
| 158n | Charges for delivery and collection of goods, etc | ast half | | | | 0 03 | 0 01 | 0 01 0 01 | 0 01 0 02 | | | 0 (2 | |
| 159a | M1-cellancous expenses . ,, | lst half 2nd | 0 03 | 0 01 | 0 03 | 0 03 | 0 02 | 0 01 0 02 | 005 | 0 01 | 0 01 | 0 03 | 001 |
| 160a | Payments to other lines 1 ,, | 1st half 2nd | 0 53 | 0 G3 101 | 0 13 0 12 | | 0 08 0 03 | 0 11 0 10 | 0 01 | 0 33 | 0 15 | 021 | |
| 161a | Other charges (not) | at half | | 0 01 0 01 | 0.01 | 0 02 | 0 01 0 01 | 0 02 0 02 | 0 (5 | 0 02 | 0 02 0 03 | 0 01 | 0 01 |
| 1 62a | Total traffic expenses ,, | lst half 2nd " | 6 20 | 7 22 5 50 | G 60 6 64 | 10 57 9 57 | 5 90 5-01 | \$ 55 5 30 | \$ 70 4 71 | ; ^; ; 17 | 1 22 | 570 561 | 4:87 5:21 |
| | PER CENT ON TRAFFIC EARNINGS (Abstracts H and I of Revenue Accounts) | | | | | | | | | | | | |
| 1 52 <i>b</i> | General superintendence (including office expenses) Per cent | 1st half 2nd | 2 32 | 1 27 1 65 | 0 85 0 91 | 2 31 1 55 | 1 10 1 18 | 072 091 | 1 21 1 35 | 0 78 | 0.83 0.77 | 1 1 2 1 65 | 2 81 2 38 |
| 1 53 <i>b</i> | Station staff , | lst half and " | | 3 17 3 43 | 3 18 3 13 | 10 71 7 18 | 3 t9 3 82 | 2 º0 3 59 | 3 32 3 46 | 2 53 2 63 | 3 52 0 61 | 5 97 6 03 | 6 82 7 80 |
| 1516 | Train staff ,, | 1st hali 2nd " | 1 19 | 0 99 1 12 | 0 83 0 92 | 1 98 1 31 | 1 16 1 59 | 1 85 2 27 | 1 05 1 14 | 0.43 0.99 | 1 % 1 % | 1 67 1 95 | 2 07 1 62 |
| 1556 | Fuel, lighting, water and general stores , | 1st half 2nd " | 0 99 | 0 74 0 61 | 0 70 0 95 | 1 62 1 3 | 0 88 | 0 S8 1 36 | 0 70 | 0 65 | 0 87 0 96 | 1 10 1 16 | 1 60 1 17 |
| 1 56 <i>b</i> | Clothing ,, | lat half 2nd " | 0 05 | 0 01 | 0 12 0 10 | 0 16 0 12 | 0 0S 0 07 | 0 10 0 11 | 0 12 | 0 01 0 07 | 0 06 0 18 | 0 73 | 0 35 0 01 |
| 1576 | Printing, stationery and tickets | 1st half 2nd " | 0 89 | 0 26 0 10 | 0 46 0 61 | 0 67 0 80 | 0 32 0 42 | 0 21 0 31 | 0 (5 | 0 35 0 37 | 0 25 0 27 | 0 52 0 69 | 0 77 0 72 |
| 1586 | Charges for delivery and collection of goods, etc ,, | 1st half 2nd " | | 0 01 0 01 | | 0 05 0 02 | 0 01 0 01 | 0 02 0 03 | 0 03 | | | 0 01 | |
| 1596 | Miscellaneous expenses ,, | 1st half 2nd , | 0 06 | 0 02 0 01 | 0 03 0 03 | 0 05 0 01 | 0 02 0 01 | 0 02 0 03 | 20 0 C7 0 | 0 02 0 02 | 0 01 0 01 | 0 01 0 19 | 0 06 0 01 |
| 1608 | Payments to other lines ,, | 1st half 2nd " | 1 15 | 0 69 1 63 | 0 13 0 13 | | 0 10 0 12 | 0 16 0 16 | 0 07 0 07 | 0 70 0 69 | 0 09 0 05 | 0 43 0 53 | |
| 1616 | Other charges (net) " | 1st half 2nd " | | 0 01 0 0 2 | 0 01 0 03 | 0 02 0 01 | 0 03 0 01 | 0 02 0 03 | 0 07 0 09 | 0 02 0 01 | 0 04 0 05 | 0 02 0 06 | 0 02 0 01 |
| 162 <i>b</i> | Total traffic expenses , | 1st half 2nd , | 18 61 | 7 44 8 97 | 6 32 7 13 | 17 55 12 56 | 7 58 8 08 | 6 91 8 8a | 7 11 7 60 | 5 68 6 06 | 6 99 7 22 | 11 03 12 69 | 14 50 13 98 |
| | General superintendence per cent on traffic cara- ings (including steam- boat) Per cent | | 2 32 | 1 27 1 65 | 0 86 0 91 | 2 31 1 55 | 1 09 1 17 | 0 72 0 91 | 1 21 1 85 | 03 0 | , 0.83 0.84 | 1 52 1 68 | 2 81 2 31 |

DIX 18—continued

(by systems) during each half-year of 1905-contd

de not prepare these statistics

| | | | | | | 01 - 14 | | | | | ··· ·· · · · · · · · · · · · · · · · · | | | | | · | |
|--|--------------------------------------|---------------|-------------------|--------------------------------------|-----------------------------|--------------------------------|-------------------------|--------------------------------|-----------------|------------------------------|--|---|--------------------------|---|------------------------|---|---------------|
| 12 | 14 | 15 (a) | 3 | 1 0/2 | 18 | 3′ 3¾″ | (2 (g) to | 1 00 | 21 | 22 | 1 | | 1 | 2' 6" | 1 | GAUGE | |
| | (a)to(d) Bhay | 15 (a) | (b) & (c) | 8 (c) | (a)to(c) | 11 (b) | (m) to | (a) \(\bar{b} \) | (a) to (f) | | 23 (a) | 1 (b) | 30 (a) | 9 (g)&(h) | 1 (e) | Number | per. |
| Bougal and North West- ern | Gondal Juna gad Por- bandar | Burma. | Fastern Bengal | Hydera bad Go dayarı Valloy | Jodh pur Bika- uer | Noa 1 hali (Ben gul) | Raj put ina Malwa | Rohil Lund and Kumaon | Sonth Indian | South orn Mah ratta | Udaı pur Chitor | Jubbul pore Gondia extou siou | Kalka- Sım l a | Khushal garh Ko hat Thal and Now- Shera Durgai | Raipur Dham tari | Calendar year 1905 by half years | Sonal number |
| EXPE | nses | i | | | | | | | | | | | | | | | |
| 0 62 0 62 | 0 S1 0 S7 | 0 83 0 87 | 1 23 0 96 | 0 ⁻⁵⁷ 0 ⁻⁷³ | 0 62 0 57 | | 0 51 0 J3 | 0 81 0 85 | 6 70 0 66 | 0 61 0 60 | 1 65 1 66 | 1 13 1 00 | 1 36 1 40 | 0 47 0 50 | 7 | lst half 2nd , | }-152a |
| 1 (7 1 71 | 2 31 2 28 | 2 13 2 14 | 2 63 2 83 | 1 47 1 92 | 1 21 1 16 | | 1 90 1 99 | 1 54 1 64 | 1 74 1 67 | 1 49 1 46 | 2 15 1 87 | 1 87 1 98 | 2 86 2 87 | 1 90 1 52 | 1 59 1 27 | 1st half 2nd " | } 153æ |
| 0 47 0 48 | 0 13 0 16 | 0 70 0 71 | 63 0 13 0 | 0 61 0 71 | 0 25 0 24 | | 0 50 0 53 | 0 36 0 38 | 0 42 0 40 | 0 53 0 52 | 0 26 0 28 | 0 65 0 65 | 0 77 0 91 | 0 6 1 0 56 | 0 40 0 39 | 1st half 2nd ,, | }154a |
| 0 49 0 51 | 0 59 0 58 | 0 51 0 55 | 0 48 0 69 | 0 42 0 39 | 0 37 0 52 | | 0 /2 0 5 | 0 45 0 50 | 0 ° 1 0 45 | 0 31 0 33 | 0 16 0 19 | 0 27 0 16 | 0 41 0 30 | 0 55 0 59 | | 1st half 2nd ,, | }155a |
| 0 07 0 00 | 0 05 0 05 | 0 03 | 0 01 | 0 06 | 0 01 | | 0 07 0 0ს | 0 03 0 06 | 0 01 | 0 07 0 09 | 0 01 0 09 | 0 08 | 0 11 0 11 | 0 23 0 09 | | 1st half 2nd ,, | }156a |
| 0 22 0 18 | 0 ¬5 0 57 | 0 34 0 23 | 0 24 0 29 | 0 23 0 25 | 0 21 0 20 | | 0 28 0 37 | 0 24 0 35 | 0 ^0 0 30 | 0 24 0 20 | 0 ° 2 0 47 | 0 11 0 12 | 0 50 0 88 | 0 15 0 17 | 0 07 0 07 | 1st half 2nd ,, | }157a |
| | | 0 02 0 02 | | | 020 | | | 0.00 | | | 01, | | 0 08 0 08 | 0 2. | | 1st balf 2nd ,, | }158a |
| 0 03 | 0 03 | 0 02 | 0 01 | 0 01 0 02 | | | 0 02 0 02 | 0 04 0 03 | 0 01 | 0 02 0 03 | 0 03 0 03 | 0 02 0 01 | 0 04 0 03 | 0 01 | 0 02 0 01 | 1st half 2nd " | } 159a |
| 0 00 | 0 23 0 23 | | | 0 21 0 42 | 0 23 0 23 | , | 0 07 0 07 | 0 34 0 17 | 0 07 0 07 | 0 20 0 21 | 0 35 0 41 | | 0 19 0 20 | | | 1st half 2nd | } 160a |
| 0 05 0 07 | 0 01 0 01 | 0 03 0 02 | 0 07 0 07 | 0 01 0 01 | | | 0 02 | 0 01 | | 0 03 0 03 | 041 | 0 01 | 0 01 | 0 02 0 03 | 0 02 | 1st half 2nd " | }161 <i>a</i> |
| | | | | | | | | | | | · | | | | | | |
| 3:71 3:82 | 5 01 5 08 | 4 61 4 78 | 539 5 54 | 3 53 4 51 | 2 96 2 94 | | 3 77 4 11 | 3 82 3 98 | 3 75 3 60 | 3 50 3 46 | 5 13 5 00 | 4 11 4 01 | 6 93 6 79 | 3 97 3 46 | 2 10 1 74 | 1st half 2nd " | } 162a |
| | | | | | | | | | | | | | | | | | |
| 1 40 1 57 | 1 26 1 55 | 1 55 1 88 | 2 48 1 62 | 1 08 1 67 | 1 24 1 10 | ıgı | 0 FG 0 92 | 1 75 1 75 | 1 38 1 45 | 1 37 1 51 | 2 79 2 65 | 3 48 3 08 | 2 22 1 70 | 2 69 3 17 | | 1st half 2nd " | }1526 |
| 3 78 4 45 | 3 45 4 05 | 3 73 4 61 | 5 30 4 77 | 2 70 4 40 | 2 41 2 23 | m Ber | 7 17 3 41 | 3 38 3 J9 | 3 45 3 62 | 337 370 | 3 62 2 97 | 5 73 5 56 | 4 66 3 46 | 10 71 9 70 | | let half 2nd ,, | } 1536 |
| 1 05 1 21 | 0 61 0 82 | 1 22 1 60 | 1 40 1 08 | 1 15 1 63 | 0 ' 0 0 45 | Included with the Assam Bongil | 0 83 0 92 | 0 78 0 79 | 0 83 0 88 | 1 21 1 83 | 0 41 0 16 | 200 181 | 1 25 1 10 | 3 64 3 55 | 1 23 1 85 | 1st half 2nd ,, | }154 <i>6</i> |
| 1 11 1 30 | 0 88 1 (3 | 0 89 1 18 | 0 96 1 17 | 0 79 0 89 | 0 73 1 00 | rith th | 0 70 0 95 | 0 19 1 03 | 1 01 0 98 | 0 70 0 84 | 0 27 0 30 | 084 046 | 0 67 0 36 | 3 12 3 76 | | 1st half 2nd " | }1556 |
| 0 16 0 14 | 0 03 0 08 | 0 11 0 30 | 0 09 1 11 | 0 01 0 13 | 0 07 0 05 | nded v | 0 12 0 09 | 0 07 0 13 | 0 01 0 02 | 0 16 0 23 | 0 01 0 14 | 0 24 0 01 | 0 18 0 14 | 1 30 0 58 | | 1st half 2nd " | }1566 |
| 0 19 0 16 | 0 83 1 01 | 0 59 0 60 | 0 47 0 50 | 0 43 0 58 | 0 18 0 38 | Incl | 0 46 0 64 | 0 52 0 73 | 0 59 0 65 | 0 51 0 59 | 0 83 0 75 | 0 34 0 33 | 0 81 1 06 | 0 86 1 09 | 0 20 0 32 | 1st half 2nd " | }1576 |
| | | 200 200 | | | | | | | | | | | 0 13 0 10 | | | 1st half 2nd ,, | }1588 |
| 0 07 0 16 | 0 03 | 0 01 0 05 | 20 0 10 0 | 0 02 0 04 | | | 0 03 0 93 | 0 08 0 06 | 0 02 0 08 | 0 05 0 05 | 0 06 0 05 | 0 06 0 03 | 0 06 0 03 | 0 04 0 02 | 0 07 0 05 | 1st half 2nd ,, | }1596 |
| 0 20 0 25 | 0 34 0 40 | | | 0 41 | 0 46 0 43 | | 0 12 0 13 | 0 75 0 35 | 0 15 0 16 | 0 46 0 53 | 0 59 0 65 | | 0 31 0 24 | | | 1st half 2nd , | }1608 |
| 011 018 | 0 02 0 03 | 0 05 0 05 | 0 14 0 11 | 0 02 0 02 | | | 0 01 0 03 | 0 02 0 01 | | 0 08 0 07 | • | 0 04 | 0 02 0 01 | 0 12 0 20 | 0 06 | 1st half 2nd " | }161 <i>6</i> |
| 8 37 9 72 | 7 54 9 09 | 8 12 10 31 | 10 86 9 37 | 6 70 10 32 | 5 69 5 64 | | 6 30 7 15 | 834 824 | 7 44 7 81 | 7 94 8 76 | 8 66 7 97 | 12 73 11 30 | 10 31 8 20 | 22 51 22 07 | 6 50 8 24 | 1st half 2nd , | }162b |
| 1 30 1 17 | 1 26 1 55 | 1 45 1 88 | 2 30 1 47 | 1 08 1 67 | 1 24 1 10 | | ,0 86 '0 92 | 1 75 1 75 | 1 38 1 45 | 1 37 1 51 | 2 79 2 65 | 3 48 3 08 | 2 22 1 70 | 2 69 3 17 | | 1st half 2nd ,, | |

Analysis of working of each railway

Norr -Railways not shown .

| | | | | | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | - PHOWN |
|----------------------|--|--|-------------------|------------------|----------------|-------------------|----------------|------------------------------|--|---|----------------------|-------------------------------|------------------|
| 1 | | GAUGE | | ī | 2 (a) to | | | , 6, | 6 (a) to | 8 1 | 9 (a) to | 10 | |
| ber | Particulars | Numbor | | 1 (a) | (f) | 3 (a) | (a) to(d) | 5 (a) to (f) | (c) | (a) & (b) | (7) | (a) & (b | 11 (a) |
| Serial number | | Calen dar year 1905 by half Jears | Bongal Central | Bengal Nagpur | bay, Barola | Pastern Bongal | Fast Indian | Great Indian Peninenla | Madras | Tho Niram B Guaran teed Stato | North West ern | Ondh and 1 ohd khand | Asgam- Bengal |
| | PER TOTAL TRAIN MILE | | | | | | | | | ΤA | BLE E | -GEN | CRAL |
| 163a | Home expenditure Annas | 1st half 2nd , | 2 48 | 0 77 0 69 | 0 26 0 36 | 0 23 | 0 38 0 38 | 0 37 0 42 | 0 37 0 38 | 0 59 0 61 | 0 09 | 0 03 | 1 66 1 42 |
| 16±a | Agent s office—salaries and oxponses , | 1st half 2nd " | 2 27 | 0 27 0 36 | 0 22 0 32 | 0 11 0 31 | 0 13 0 14 | 0 15 0 15 | 0 31 | 0 °9 0 28 | 0 11 0 11 | 0 21 0 26 | 0 80 0 75 |
| 165a | Andit, accounts and pay office ,, | 1st half 2nd ,, | 168 | 0 73 0 79 | 0 92 0 93 | 0 88 0 76 | 0 17 0 19 | 0 53 0 58 | 0 63 0 69 | 1 16 1 14 | 0 40 0 12 | 0 60 0 59 | 1 27 1 15 |
| 166a | Stores Dopartment ,, | 1st half 2nd " | 0.20 | 0 29 0 22 | 0 15 0 35 | 0 29 0 25 | 0 16 0 16 | 0 16 0 19 | 0 12 0 12 | 0 22 0 22 | 0 11 0 10 | 0 17 0 18 | 0 53 0 15 |
| 167a | Modical ,, ,, | 1st half 2nd " | 0 25 | 0 22 0 25 | 0 21 0 20 | 0 22 0 18 | 0 16 0 16 | 0 10 0 11 | 0 13 0 15 | 0 17 0 16 | 0 10 0 10 | 0 10 0 11 | 0 13 0 10 |
| 169a | Ronts and miscollaneons ,, | lst half 2nd " | 071 | 0 _7 0 2 2 | 0 29 0 27 | 0·35 0·27 | 0 20 0 29 | 0 11 0 12 | 0 13 0 21 | 0 32 0 34 | 0 11 0 12 | 0 26 0 22 | 0 17 0 16 |
| 169a | Police , ,, | 1st hali 2nd ,, | 0 50 | 0 19 0 21 | 0 16 | 0 18 0 16 | 0 23 0 21 | 0 21 0 24 | 0 % | 0 58 0 57 | 0 2 0 13 | 0 18 0 18 | 0 21 0 20 |
| 170α | Advertising . ,, | lst half 2nd ,, | 0 02 | 0 03 | 0 01 0 01 | 0 05 | 0 01 0 02 | 0 01 0 01 | 0 01 | 0 01 | 0 01 0 01 | 0 02 0 02 | 0 01 0 02 |
| 171α | Electric telegraph . , | 1st hali 2nd , | 102 | 0 86 1 00 | 1 16 1 18 | 076 081 | 0 76 0 77 | 0 67 0 72 | | 0 63 0 61 | 0 ro 0 64 | 0 65 0 67 | 1 21 1 11 |
| 172a | Other charges (not) | 1st half 2nd " | | | | 0 01 0 01 | 0 01 | 0 01 0 01 | 0 1 1 0 19 | | 0 05 | 0.01 | 0 01 |
| 173a | Total general charges ,, | lst half 2nd " | 916 | 3 54 3 56 | 3.88 1.06 | 7.53 2.70 | 2 51 2 67 | 2 35 2 55 | 2 9S 3 30 | 3 97 3 96 | | 27.0 2721 | C 35 5 67 |
| | PLR CENT ON TOTAL | | | | | |] | | | - | <u> </u> | | |
| 1635 | Home expendituro Per cent | ast hall | 1 58 | 1 06 1 08 | 0 21 | 0 29 | 0 10 0 51 | 0 52 0 68 | | 073 083 | 0 15 | 0 15 | 4 68 3 52 |
| 1646 | Agent's office—salaries and expenses ,, | 1st half 2nd ,, | 4 20 | 0 37 0 57 | 0-20 0 33 | | | 0 21 0 21 | 0.3 0.55 | | | 0 45 | 2 26 1 87 |
| 16 5b | Andit, recounts and pay office ,, | lst hal 2nd " | 3 10 | 1 00 1 23 | 0 87 0 95 | | | 0 7 5 | | | 0 65 0 76 | 1 11 1 23 | 3 57 2 55 |
| 1666 | Stores Department ,, | { lst hel 2nd " | 0 36 | 0 27 0 31 | 0.03 | | | | | 0 23 0 30 | 0 17 0 18 | 0.35 | 1 19 1 12 |
| 1 67 <i>b</i> | Medical ,, ,, | { lst hal 2nd ,, | 0 46 | 0 30 0 39 | | | | | | | | 0 19 0 22 | 1 22 0 98 |
| 1683 | Rents and miscellaneous ,, | 1et hal 2nd ,, | 1 1 37 | 0 37 0 15 | | | | | | | | 0 17 | |
| 1695 | Polico " | $\left\{\begin{array}{c c} 1st \text{ hal} \\ 2nd \end{array}\right.,$ | 0 92 | 0 26 | 0 17 0 47 | | | | | 0 72 0 78 | 0 19 0 23 | 0 31 | 83 0 01 0 |
| 1703 | Advertising , | } lst hal 2nd ,, | 100 | 0 03 0 07 | | 0 08 | | | | 0 01 0 01 | | 0 01 | 0 02 0 05 |
| 1716 | Electric telegraph ,, | 1st hal 2nd # | 1 188 | 1 18 1 55 | | 1 5º 1 1º | | | | | 0 97 1 13 | 1 23 1 39 | 3 50 2 78 |
| 172 <i>b</i> | Other charges (net) | { lst hal 2nd ,, | c | | | 0 02 0 01 | | | | | 0 01 0 03 | 0 02 | 0 01 |
| 17 3 <i>b</i> | Total general charges " | { 1st hal 2nd ,, | f 16 91 | 4 84 6 03 | 3 63 4 28 | 5 96 3 85 | | 3 31 4 15 | 4 56 5 19 | | | 4 31 1 65 | 17 91 14 06 |
| | | | | | | | | | | 1 | ~~~~ | 4 2 2 2 2 | , |
| 171 | PER CENT ON GROSS EARNINGS Law charges Per cent |] lst hal | | | | | | 0.01 | 0 13 | 001 | 1 | L GMY | MISCEL 0 08 1 |
| | G | { 2nd ,, { 1st hal | 0.85 | | | 0 12 | 000 | 0 29 | 0 33 | 0 01 | 0.09 | 0 09 | 0 05 |
| 175 176 | Componsation ,, Rates and taxes ., | 2nd " | | 0 10 | 0 13 | 0 40 | 0 10 | 0.09 | 0 10 | 0 03 | | 0 14 | 0 13 |
| 176 | | lst had 2ad , 1st bal | | 0 13 | 0 13 | 0 20 | 1 29 | 0.80 | 0 80 | 031 | 0.38 | 1 12 | 0 07 |
| | Paymonts to other lines ,, | 2nd oc | 101 | 0.39 | 0 17 | 1 1 75 | 0 17 | 0.86 | 1 17 | 1 35 | 0.73 | 2.20 | 4 95 |
| 178 | Other enarges (net) ,, | 2nd " | | 1 60 | C 8 | 5 0.08 | 0 26 | 12: | 1 37 | 1 08 | 0 94 | ,108 | 451 |
| 179 | Total special and miscel lancons expenses | { Ist had 2nd , | 7 48 | 3 03 | 0.8 | 3 3 3 3 3 | | | | 171 | | 2 19 3 16 | 5 59 5 24 |

DIX 18-continued

(by systems) during each half-year of 1905-contd

de not prepare these statistics

| | | | | | | | | | | | | | | | | | , | |
|-------|--|---|--------------|---------------------------|---------------------------------------|--------------------------|--------------------------------|-------------------------|---------------------------------|-----------------|-------------------------------|------------------------|--|--------------------|---|-------------------------|---|--------------------|
| | <u> 12</u> | 1 14 | T | 3 (6) | 1 | 3 5 | 1 | 1 . | T 00 (-) 0 | r 21 | | | | 2' | 6" | 1 | GAUGE. | - |
| | (a) & (b) | (a) to (d) | 15 (a) | nnd (c) | 8 (c) | (a) to (| 11 (b) | (g)to (m) | 20 (n) & | (a) to (f) | (a) to (j) | 23 (a) | 1 (b) | 30 (a) | 9 (g) & (h) | 1 (e) | Number | ber. |
| * | Bengal nnd North West ern. | nagar Gondal Jnna- gad Por bandar | Burma, | Eas tern Ben gal | Hydera- bad Go davnrı Vnlloy | Jodh- pnr-Bi kaner | Nea- khali (Ben gal) | Raj- putann Mnlwa | Rohil kund nnd Knmaon, | Sonth Indian | Sonth ern Mnh ratta. | Udai pnr- Chitor | Jubbul poro Gondia exten sion, | Knl kn Simla | Khnshal garh Kohnt Thul nud Nowshera Durgai. | Raipur Dham- tari | Cnlendar year 1905 by half years | |
| | CHAF | | 1 [| | | | | | | | | | | | | | | |
| | 0 51 0 53 | 0 13 0 15 | 0 70 0 73 | | 0 58 0 87 | | | 0 15 0 17 | 096 111 | 0 74 0 36 | 0 70 0 65 | | 2 65 2 12 | 0 03 1 33 | 0 09 | 1 17 1 15 | 1st half 2nd " | }163æ |
| | 0 19 0 17 | 0 87 1 08 | 0 24 0 24 | | 0 29 0 38 | 0 11 0 10 | | 0 12 0 20 | 0 23 0 27 | 0 23 0 21 | 0 26 0 25 | 1 44 1 41 | | 1 76 1 99 | 0 14 0 14 | •• | 1st half 2nd ,, | }16 1 a |
| | 0 58 0 67 | 1 50 1 52 | 0 56 0 63 | | 1 15 1 56 | 0 56 0 51 | | 0 53 0 58 | 0 68 0 70 | 0 72 0 70 | 0 69 0 67 | 1 09 1 07 | 0 10 | 2 31 2 37 | 0 40 0 43 | 0 18 | 1st half 2nd " | }165æ |
| | 0 08 0 09 | 032 034 | 0 20 0 20 | | 0 22 0 29 | 0 11 0 10 | | 0 20 0 21 | 0 15 0 16 | 0 14 0 17 | 0 19 0 19 | 0 12 0 11 | 0 01 | 0 16 0 14 | 0 10 0 10 | | 1st half 2nd ,, | }166a |
| | 0 10 0 11 | 0 39 0 42 | 0 21 0 21 | | 6 25 0 33 | 0 09 0 08 | | 0 12 0 12 | 0 10 0 11 | 6 22 0 23 | 011 011 | 0 24 0 22 | 0 25 | 0 35 0 51 | 0 17 0 09 | | 1st half 2nd " | } 167a |
| | 0 13 0 11 | 0 30 0 32 | 0 15 0 16 | | 0 29 0 41 | 0 11 0 11 | | 0 17 0 17 | 0 41 0 31 | 0 18 0 23 | 0 15 0 13 | 0 19 0 2± | 0 02 0 03 | 1 17 0 90 | 0 14 0 13 | 0 11 0 05 | 1st half 2nd " | }168a |
| | 0 21 0 23 | 0 96 1 02 | 0 39 0 36 | | 0 43 0 59 | 0 09 0 09 | | 0 26 0 28 | 0 34 0 39 | 0 23 0 20 | 0 36 0 36 | | 0 07 0 09 | 0 20 0 45 | 0 59 0 46 | 0 31 0 40 | 1st half 2nd " | }169a |
| • | 0 01 0 01 | 0 01 0 01 | 0 02 0 01 | | 0 02 0 01 | | | | 0 01 0 02 | 0 01 0 01 | 0 01 0 02 | | | 0 05 0 03 | 0 01 0 01 | ļ | 1st half 2nd " | }170a |
| | 0 56 0 63 | 1 17 1 23 | 0 69 0 71 | | 0 57 0 76 | 93 0 63 0 | | 0 66 0 73 | 0 69 0 73 | 0 66 0 63 | 0 87 0 86 | 0 98 0 93 | 1 44 1 95 | 0 65 0 68 | 0 89 0 67 | 0 60 0 50 | 1st half 2nd , | }171a |
| | | -0 01 -0 01 | 0 13 0 02 | | 0 03 0 05 | | | | | 0 01 0 01 | 0 01 | | | 0 02 | 0 05 | - | 1st half 2nd " | }172a |
| , | 2 37 2 51 | 5 64 6 08 | 3 29 3 27 | | 3 83 5 25 | 1 98 1 82 | | 2 21 2 46 | 3 65 3 83 | 3 14 3 07 | 3 37 3 28 | 4 06 8 98 | 4 18 4 55 | 6 70 5 60 | 2 53 2 03 | 2 19 2 28 | ist half 2nd " | }173a |
| | | 0.10 | 1.01 | | 1 08 | | | 004 | | | | | | | | | | |
| | 1 05 1 22 | 0 19 0 26 | 1 21 1 57 | | 0 53 | 0.13 | _ | 0 24 0 29 | 1 98 2 26 | 1 45 0 78 | 1 57 1 62 | | 7 99 5 88 | 0 05 1 57 | 0 52 | 3 53 5 16 | 1st half 2nd " | }1638 |
| | 0 39 0 40 | 1 27 1 87 | 0 41 0 51 | gange | 0 84 | 0 21 0 18 | with the Assam Bengal | 0 20 0 33 | 0 58 0 o4 | 0 44 0 46 | 0 57 0 62 | 2 38 2 22 | | 2 81 2 35 | 0 77 0 87 | • | 1st half 2nd " | }1618 |
| | 1 19 1 57 | 2 19 2 63 | 0 95 | 0 5' 6" | 2 13 3 44 | 1 08 0 96 | Egam] | 0 87 0 98 | 1 40 1 41 | 1 41 1 19 | 154 167 | 1 81 1•68 | 0 29 | 3 69 2 80 | 2 23 2 68 | 0 83 | 1st half 2nd " | } 1658 |
| | 0 17 0 20 | 0 46 0 59 | 0 35 0 42 | with the | 0 40 0 65 | 0 20 | tho A | 0 33 0 37 | 0 32 0 32 | 0 28 0 36 | 0 42 0 48 | 0 20 0 18 | 0 03 | 0 26 0 17 | 0 °9 0 63 | | 1st half 2nd " | }165 <i>6</i> |
| | 0 21 0 25 | 0 57 0 72 | 0 35 0 44 | pe g | 0 46 | 0 18 0 16 | | 0 20 0 21 | 0 21 0 21 | 0 43 0 47 | 6 92 0 35 | 0 40 0 34 | 0 69 | 0 56 0 60 | 0 94 0 58 | | 1st half 2nd " | |
| | 0 27 0 26 | 0 44 0 54 | 0 26 | Includ | 0 54 0 91 | 0 20 0 20 | Included | 0 27 0 29 | 0 ⁹ 1 0 63 | 0 35 0 49 | 0 33 0 33 | 0 32 0 37 | 0 05 0 09 | 1 87 1 06 | 0 77 0 85 | 0 31 0 22 | 1st half 2nd ,, | }1635 |
| | 0 44 0 50 | 1 41 1 78 | 0 67 0 76 | | 0 80 1 31 | 0 18 0 17 | 1 | 0 43 0 46 | 0 72 0 78 | 0 44 0 42 | 0 8 0 0 8 0 | | 0 22 0 25 | 0 31 0 53 | 3 32 2 93 | 0 93 1 80 | 1st half 2nd " | }1698 |
| | 0 01 0 02 | 0 01 0 02 | 0 03 | | 0 03 | 6 01 | | 10 0 | 0 03 0 03 | 0 02 0 03 | 0 01 0 06 | | | 0 09 0 04 | 0 03 0 07 | | 1st half 2nd " | }1700 |
| | 1 16 1 47 | 1 72 2 13 | 1 19 1 50 | | 1 04 1 | 1 63 1 54 | | 1 03 | 1 42 1 46 | 1 30 1 35 | 1 94 2 13 | 1 62 1 46 | 4 06 5 39 | 1 04 0 79 | 4 97 4 22 | 1 81 2 25 | 1st half 2nd ,, | }1716 |
| | | -0 01 -0 02 | 0 23 0 01 | | 0 07 0 11 | | | | | 0 02 | 0 01 | | | 0 03 | 0 02 0 39 | | 1st half 2nd ,, | }1725 |
| | 4 89 5 89 | 8 25 10 52 | 5 66 6 93 | | 7 08 11 61 | 3 74 3 41 | | 3 63 4 18 | 7 E6 7 64 | 6 14 6 57 | 7 51 8 16 | 6 73 6 25 | 12 61 12 62 | 10 71 6 60 | 14 16 13 13 | 6 58 10 26 | 1st half 2nd ,, | } 1736 |
| Į- | ANEC | ous ex | CPENS: | ES | | | [| | | | | | | | | | | |
| | 0 02 0 05 | 0 01 | 0 02 0 62 | | 0 01 0 06 | | | 0 02 0 04 | 0 03 | 0 01 | -0 03 0 01 | | | 0 09 0 16 | | | 1st half 2nd ,, | }174 |
| الجيس | 0 03 (10 0 | 0 03 0 04 | 0 03 0 07 | | 0 02 0 01 | 0 01 0 03 | | 0 06 0 13 | 0 08 0 05 | 0 03 0 04 | 0 05 0 08 | 0 03 | 0 03 0 01 | 0 09 0 05 | 0 06 0 06 | 0°01 | 1st half 2nd ,, | }175 |
| | 0 02 0 06 | | 0 08 0 02 | | 0 04 0 26 | | | 0 12 0 12 | 0 01 0 01 | 0 12 0 22 | 0 09 0 | - | | 0 95 0 06 | | | 1st half 2nd ,, | }176 |
| | 0 23 0 50 | 0 52 0 22 | | | 0 19 0 26 | 1 25 1 67 | | 0 15 0 16 | -0 01 | 0 18 0 31 | 0 2 4 0 1 5 | 1 18 1 42 | 0 18 | | | } | 1st half 2nd ,, | }177 |
| | 0 45 0 53 | 0 94 0 97 | 1 04 1 12 | | 0 42 1 38 | 0 44 0 41 | | 0 48 0 55 | 1 65 1 57 | 0 72 0 68 | 1 21 1 25 | 0 47 0 31 | 0 97 1 09 | 1 28 1 08 | 2 48 2 64 | 0 58 0 93 | 1st half 2nd " | }178 |
| - | 0 75 1 18 | 1 49 1 24 | 1 17 1 23 | | 0 68 1 97 | 2 30 2 20 | | 0 83 1 00 | 1 76 1 63 | 1 05 1 26 | 1 56 1 60 | 1 68 1 75 | 1 00 1 26 | 2 41 1 35 | 2 54 2 70 | 0 59 0 94 | 1st half 2nd ,, | }179 |

Analysis of working of each railway

EXTRACT FROM TABLES PRINTED

Note.—Railways not shown

| | t | GAUGE | | _=_: | · | | 5'6" | | | | | | 1 | |
|---------------|---|--|-------------------|--|---|-------------------|----------------------|-----------------------------|--------------------|------------------|--------------------|-------------------------------|------------------|----|
| | | Number | | 1 (a) | 2 (a) to | 3 (a) | | 5 (a) to (f) | 6 (a) to | (a) & (b) | 9(a) to | 10 (a) & (b) | 11 (a) | 1 |
| Serial number | Papticulaps | Calen dar year 1905 by half- years | Bengal Central | Bengal Nagpur | Bom by, Baroda and Central India | Lastern Bengal | | Great Indian Pemasula | Madras | The | | Ondh nnd Rohil khand | As am Bengal | |
| • | FROM APPENDIX 1 | | | 1 | | | j | | | | | | | 1 |
| 180 | Average number of lecomotives on the line . No | 1st half 2nd ,, | 24 | 253 259 | 220 216 | 142 183 | 950 911 | 835 836 | 205 265 | 59 59 | 783 746 | 200 | 76 76 | 1 |
| 181 | Average miles run per loce motivo per diem Miles | 1st half | 55 26 | 73 14 59 67 | 51 19 49 72 | 57 00 68 59 | 63 63 61 53 | 59 75 53 50 | 65 13 62 43 | 51 26 57 01 | 75 67 72 21 | 80 74 78 86 | 60 86 67 14 | |
| | lbs coal per ongine mile (coal burn ing engines)— | | | , | | | 0100 | 2000 | 02.20 | | 15.51 | 70.00 | 67 14 | |
| 182 | Coaching lbs { | lst half 2nd " | | | 46 16 | | | | | 43 20 | | | | |
| 183 | Goods " { | 1st half 2nd " | 43 19 | 56 22 53 45 | 47 01 | 52 65 51 19 | 53 19 50 91 | 49 70 47 81 | 50 19 50 45 | 52 74 47 56 | 46 53 | 45 44 45 01 | 40 33 31 06 | 1 |
| 184 | Mixod " | lsthalf 2nd " | | | 51 80 41 78 | | | | | 51·31 48 07 | | | | |
| 185 | lba wood por ongine mile (wood burning engines) Coaching lbs | 1st half | | | | | | | | | | | | |
| 186 | | 20d ,, 1st half | ** | | | | • | | | | | | | |
| | } | 2nd ,, 1st half | | | | | | | | | | , | | |
| 187 | Averago gress weight of trains— | 2nd ,, 1st half | 166 11 | 203 95 | 177 63 | 171 20 | 206 61 | - 168 29 | 161 56 | 137 72 | 236'69 | 20316 | 120 80 | |
| 183 | Conching Tons | 2nd ,, 1st half | 180 00 | 190 25 415 57 | 172 77 575 89 | 197 54 594 89 | 223 68 573 58 | 174 00 358 82 | 155 14 470 37 | 1°8-26 319 17 | 230 53 331 10 | 182 03 322 23 | 103 57 | |
| 189 | Goods ,, { | 2ad ,, | | 385 70 | 583 97 | 431 67 | 539 CG | 337 26 | 162 02 | 270 58 | \$10 33 | 333 57 | 85 88 180 13 | |
| 190 | Mixed ,, { Average through speed of truns - | 1st balf 2nd ,, | 166 11 | 309 25 280 85 | 201 61 192 32 | 219 46 | 291 80 261 15 | | 285 67 2°3 11 | 317 16 321 65 | 265 17 255 76 | 221 40 202 05 | 144 07 150 90 | |
| 191 | Ceaching Miles per hour { | 1st half 2nd ,, | 20 , | 27 94 28 96 | 22 E3 22 96 | 19 07 19 07 | 22 00 22 00 | 25 51 23 46 | 21 25 21 25 | 22 68 22 68 | 20 13 20 14 | 28 79 28 82 | | |
| 192 | Goods " { | Ist half 2nd ,, | 11 | 11 89 11 68 | 10 21 10 78 | 15 00 15 00 | 12 00 12 00 | 12 05 10 1 9 | 11 23 11 23 | 9 50 9 50 | 11 49 11 80 | 11 15 10 72 | | |
| 193 | Mixod " { | 1st half 2nd ,, | 15 | 17 ⁻ 33 17 ⁻ 38 | 15 ⁹ 9 15 78 | 14 30 14 30 | 18 00 18 00 | 11 41 15 98 | 10 82 10 82 | 14 55 14 55 | 14 GG 11 32 | 18 95 16 29 | 13 12 13 12 | |
| | From Appendix 1L | | | | | | | | | | | | | |
| 194 | Average mileage per diem of ceaching vehicles, inclind ing brakes Miles | 1st half 2nd ,, | 9,766 | 96,220 89 747 | 92,400 91,627 | 49,995 69,141 | 275,508 291,670 | 260,979 277,852 | 91,745 90,689 | 10,047 16,059 | 327,361 847,400 | 109,951 112,986 | 30,703 30,603 | |
| 195 | Goods ditto ditto " { | 1st half | 4,892 | 270,137 199,186 | 158,137 119,474 | 61,612 110,090 | 1 019,960 935,474 | 634,096 485,570 | 233,218 224,063 | 45,795 42,143 | 705,805 | 156,678 147,535 | 34,156 50,079 | |
| | FROM APPENDIX V | | | | | | | | | | | | | |
| 196 | Avorage age of sleepers— Wood . Years | 1st half 2nd ,, | 12 04 | 5 89 5 74 | 9 41 9 62 | 8 00 8 00 | 9 30 | | 5 00 5 83 | | 7 43 8·01 | 11 89 11 79 | | |
| 197 | 1ren " { | 1st half | | 9 EG | 12 99 13 49 | 11 00 11 50 | 9 36 | | 82 59 | | 11 18 | 14 90 | ** | \$ |
| 198 | Percentage of removals— | is half | 4 72 | 3 55 | 3-22 | 9 11 | 3 16 | 4 79 | 32·89 1 77 | 3 40 | 1 78 | 14 66 0 18 | 2 02 | |
| | Wood - Per cenf { | 2nd ,, 1st half | | 614 029 | 2 92 0 44 | 4 07 2 61 | 2 77 3 29¹ | 5 21 2 40 | 3 10 · 0 29 | | 1 01 4 27 | 2°42 7 30 | 1 38 | |
| 199 | Iron " { | 2nd " | , , | 0 66 | 0 47 | 0 63 | 2 28 | 0156 | 0 29 | | 2 81 | 6 91 | 3 | |

DIX 18—concluded.

(by systems) during each half-year of 1905—concld.

AS APPENDICES TO THE ANALYSIS

do not prepare these statistics

| | | | | | 3 | ' 3 <u>}</u> " | | | | | | | | 2'6' | · | GAUGE | Π |
|---|--------------------------------------|--|--------------------------------------|---------------------------------------|--------------------------------------|-----------------------------|--|--------------------------------------|--|--|------------------------------|---|--|---|---------------------------------------|---|-------------------------|
| 12 (a) & (b) | 14 (a) to d | 15 (a) | 3 (b) and (c) | 8 (c) | 18 (a) to (c) | 11 (b) | 2 (g) to (m) | 20 (a) & (b) | 21 (a)to (f) | 22 (a) to (3) | 23 (a) | 1 (b) | 30 (a) | 9 (q) & (h) | 1 (e) | Number | , to |
| | Ishayna | Bnrma | Eastern Bengal | Hydera bad Go- dayarı Valley | Jodh- pur Bika ner | Noa khah (Ben gal) | Rajpu tana Malwa | Rohil kund and Ku maon | Sonth Indian | Sonth ern Mah ratta | Udai pur Chitor | Jnbbnl pore- Gondia exten sion. | Ka1ka Sımla | Ahnshal garh- Kohat Thal and Nowshera Dnrgai | Raipnr- Dham tari | Calendar year 1905 by half- years | Serial numbor |
| 218 | 81 | 242 | 132 | 50 | 48 | | 434 | 83 | 219 | 222 | 3. | 10 | 18 | 26 | 4 | 1st half | } ₁₈₀ |
| 234 72 25 63 05 | 57 87 59 83 | 250 67 41 63 65 | 140 58 28 61 63 | 50 65 80 49 07 | 48 64 20 66 23 | | 448 56 57 51 71 | 86 68 85 59 37 | 217 61 25 65 73 | 237 60 17 55 95 | 3 | 72 89 71 19 | 24 40 00 19 97 | 28 35 42 43 13 | 43 22 43 10 | 2nd ,, 1st half 2nd ,, | } } ₁₃₁ |
| 31 83 29 05 | 29 49 28 53 | 40 78 38 03 | 36 28 36 73 | 85 23 36 25 | 42 22 41 62 | | 86 18 33 28 | | 80 73 29 68 | 32 39 32 56 | 25 80 28 46 | 43 78 39 43 | 65 00 61 46 | 14 82 14 62 | 31 40 { 28 41 | 1st half 2nd , 1st half 2nd ,, 1st half 2nd ,, | } 182 } 183 } 184 |
| ٠ | | | | | | | | 31 36 35 25 | | 28 85 30 30 | | | | | | 1st half 2nd ,, 1st half 2nd ,, 1st half 2nd ,, 1st half 2nd ,, | } 186 |
| 168 23 147 65 216 70 | 90 44 91 68 186 65 | 129 28 129 53 204 01 | 117 00 134 35 237 67 | 215 82 *50 77 185 05 | 103 29 211 45 191 39 | Assam Bengal | 108 32 114 55 273 09 | | 91 63 91 39 163 65 | 92 94 93 74 281 52 | | 166 68 | 60 00 60 00 60 00 | 77 26 41 69 | ۰ 92 13 | 1st half 2nd " 1st half | Ľ |
| 178 37 179 58 | 193 25 144 97 138 86 | 182 10 178 77 172 48 | 299 11 124 32 146 22 | 195 99 153 42 142 82 | 125 12 127 10 201 72 | Included with the Ae | 258 74 130 32 135 99 | : | 158 41 157 32 156 00 | 267 01 212 57 219 50 | 144 99 156 18 | 160 86 148 18 135 55 | 68 00 60 00 77 70 | 35 54 58 41 43 70 | 35 80 74 08 55 62 | 2nd " 1st half 2nd " | } 18: } 19: |
| 166 51 17 00 17 00 | 20 65 20 65 | 18 82 18 82 | 19 28 19 28 11 16 | , | | Included | 17 J9 17 97 | 10 01 | 18 00 18 00 9 50 | 16 18 18 04 7 60 | | 11 75 | 9 00 9 00 | 8 54 | | 1st half 2nd " 1st half | } 19 |
| 9 50 9 50 12 20 | 11 69 11 26 12 64 | 10 05 10 05 12 91 | 11 16 12 51 | 11 01 11 01 13 03 | 12 27 14 24 15 10 | | 10 11 9 46 14 29 | 9 86 13 01 | 9 50 12 00 | 7 55 11 67 | 1476 | 9 69 11 22 | 900 | 8 72 9 67 | 10 87 | 2nd , 1st half | } 19 } 19 |
| 12 20 | 12 64 | 12 91 | 15 00 | 13 08 | 12 27 | | 14 41 | 12 72 | 12 00 | 12 71 | 14 76 | 11 33 | 9 00 | 9 72 | 10 37 | 2nd " | - |
| 184,785 139,661 208,573 68,065 | 20,409 21,000 20,975 14,086 | 113,612 111,223 214,509 183,109 | 57,809 69,120 72,315 90,910 | 17,566 16,417 40 608 23,310 | 30 349 32,277 37,589 36,604 | | 178,854 203,433 417,823 812,292 | 16,224 16,384 32,157 21,009 | 126,958 126,526 124 401 139 055 | 81,604 90,060 175,589 158,422 | 1,954 1,172 469 503 | 4,684 6,035 8,542 7,782 | 1,535 1,787 1,602 1,689 | 4,300 4,707 8,904 5,508 | 818 740 2,051 1,088 | 1st half 2nd ,, 1st half 2nd ,, | } 19 } 19 |
| 8 93 } 9 23 | 12 88 13 07 15 03 | 11 24 11 43 9 34 | 11 50 11 00 15 00 | | 11 50 12 00 | t | 7 50 8 00 18 50 | 11 96 10 82 | 12 77 12 60 16 02 | 11 50 11 00 17 00 | | 1 45 1 95 | د. ت | 3 06 3 67 2 87 | 5 46 5 93 | 1st half 2nd " 1st half | } 19 |
| 1'43 | 15 49 | 9 54 \$ 27 2 10 | 15 50 2 94 1 83 | , , , | 0 81 | • | 19·00 , 3·26 2·22 | 1431 13 45 | 16 48 10 35 2 36 | 17 50 5 67 4 19 | 1 <u>5</u> 1 3 69 | 0 09 0 01 | the desirement of the columns of the | 0 21 0 50 | 0 71 0 51 | 2nd ,, 1st half 2nd ,, |] } } |
| 2 13 3 | 0 84 | | 101 | J | 0 25 | 0 01 | | | 0 69 0 55 | 0 14 | | | ľ | 0 06 | | 1st half 2nd ,, | } 15 |

| | GAUGE | i | | | | 5′ G″ | | | | 2100 | ling- | 30001 | v (61 | 1001 | u _y (| | '31" | 200 0 | 10 6 | |
|----------------------|---|-----------------|--------------------|-----------------|-----------------|---------------------------|----------------|-----------|---------------------|------------------|-----------------|---------------|----------|------------|------------------|----------|-----------------|----------------|-------------|------------------|
| ; | GAUGE | | | | | 1 | | | | | | <u> </u> | 13 | | 1 | | | 1 . 1 | | 18 [|
| | Number | 1 (a) | 2 (a) to (f) | | 4 (a) to (d) | | | | 9 (a) to (f) | | 11 (a) & (b) | | (0) | | 15 (a) | 16 | 17 (a) & (b) | 3 (b) & (c) | | (n) to (c) |
| Items | Railway | B N | B R | B B | E I | GI P& IM | M | N G S | W K | O _R & | A B | B & N 17 | B | B G J P | В | D — | D S | F B S M | H G V | B |
| 1 2 | Engines Passenger engines | 77 211 | 87 | 71 | 150 | }-833 | { 51 212 | 5 | } 756 | 205 | 77 | { 75 {205 | }10 | 37 | 28 223 | 33 | 22 | 137 | 55 | 48 |
| 2 3 | Goods and mixed engines Total Engines | 211 | 182 | 115 | 95, | 873 | 266 | 56 G1 | 756 | 205 | 77 | 210 | 10 | 37 | 251 | 2 | 22 | 137 | 55 | 49 |
| | Coaching vehicles | | | | | | | | | | | | _ | | | <u> </u> | | | | |
| 4 5 6 | Saloons, Royal and State Saloons ordinary Reserved carriages | 15 | 13 9 | 18 2 | 43 | 7 | 13 | 13 | 11 1 62 | 18 | 3 | 13 13 | 1 | 2 7 | 8 31 | | " | 19 | 8 | 3 |
| 7 | Inspection carriages | | | | | 1 8 | 13 3 3 | 2 | | 1 2 | 8 | | 1 | 5 | 1 | | | | | 5 |
| 9 10 | First class carriages \(\begin{aligned} 4 \text{ whooled} \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 26 2 | 2 | 15 | 87 2 2 | 93 5 | 38 | 10 | 82 | 40 | 1 3 | 31 3 23 | 2 2 | 8 | 27 | | | 14 2 | 13 | 7 |
| 11 | Composito first and 4 wheeled second class Bogie | 48 | 16 23 | 50 12 | 64 29 | 12 87 29 2 17 | 66 | 12 | 105 23 | 56 10 | 12 | 23 12 | 7 | 2 5 | 38 11 | | 10 | 52 5 | 10 | 20 |
| 12 13 | ogio ogio | 5 | 2 | 27 | 50 | 17 | 8 | | 46 | 6 | 11 | | | 3 | 28 5 | 2 | | 3 | | 3 |
| 14 | Second class Begie Ordinary | 29 | 13 20 | 16 | 77 | 1 1 144 | 79 | 10 | 91 | 33 | | 38 | 1 | 10 | 4) | | | 16 | 10 | 6 |
| 15 | Second class with postal accommo dation (4 wheeled | 26 | G | 29 | 71 | 22 | 4 | | 124 | 39 | 1 | 32 | | 10 | | | | 45 | | 17 |
| 16 | Intermediate class Ambulance Bogie | | 12 | 16 | 17 | | | | 1 | | | | | 2 | | | | 2 | | |
| 17 18 | Composito, intermediate and third class Intermediate and postal carriages | 15 | 4 | 38 6 | 39 | | 7 | | 69 | 71 | 33 | 61 | 1 2 | | , | | | 3 | | 1 |
| 19 | Intermediate, third and postal | 1 | _ | 3 | | | | | | | | | 3 | | | | | | | |
| 20 21 | Lower class Third class carriages 4 wheeled Bogie | | 157 83 | 179 27 | (2) 105 | 616 51 | 401 | 63 | 75 | 6 | | 360 | 21 | 125 | 210 | 8 | 37 | 219 | 65 | 69 22 |
| 22 | Third class and postal vans | 14 | 15 13 12 | | 52 51 | 19 23 135 | 53 1° | 5 | 374 | 93 18 | 16 | 18 | 1 | 3 | 51 29 | | ([| 8 | 4 | 10 |
| 23 | Third class carriages \$\frac{4}{\text{Nheoled}}\$ with brikes \$\frac{Ambulance}{Ambulance}\$ | 296 49 23 | 18 | | 29 38 | 135 26 22 610 | 12 | | 205 158 253 | 26 207 | 53 | 202 | | | 37 | | | 7 | | |
| 24 25 | Brakevans Brakevans with third class | 227 81 | 172 | 105 25 | 716 | 16 | 217 40 | 43 | 461 101 | 150 | 16 64 | 173 | 15 | 41 | 165 85 | 2 | 26 | 110 | 40 | 32 5 |
| 26 . 27 | Brakevans fitted with postal com- partment Postal vans | | | 1 | 22 | 5 | 9 | | 10 | | | | | | 5 | | | 3 | | |
| 27 28 29 30 | Composite pestal and other curriages Prisen vans | | | | 1 | 6 8 55 | | | | | | | | | 73 | | | 1 5 | | |
| 30 31 32 | Carriago trucks Horse bexes Luggago vans | 16 31 | 18 26 | 7 20 26 | 39 75 11 | 111 115 | 27 56 40 | 10 6 | 162 61 | 13 | 16 12 | 30 1 | 1 | 5 | 37 31 | į | 3 4 | 10 | 10 | 12 |
| 33 34 | Produce Venders vans | | | 16 25 | 10 | | | ľ | " | | | • | | | | | | 1 | | |
| 35 36 37 | Fish vans Store, 100 and stationery vans Miscellancous | | | 21 8 | 1 | | | | 18 5 | 2 | 1 | | | | 20 | | 2 2 | 13 | | 1 |
| 38 | TOTAL COACHING VEHICLES Goods vehicles | 911 | 631 | 712 | 2,375 | 2 268 | 1 21, | 189 | 2,319 | 653 | 259 | 1,029 | 63 | 255 | n85 | 12 | 81 | 681 | 164 | 217 |
| 39 | Covered goods wa {Ordinary gons, begin { Vilitary | 2,493 1,278 | | | | | | | 418 | İ | 100 | 200 | | | 620 75 | | | 177 | | G |
| 40 | Covered goods wa Ordinary gons, 4 whoeled Military | ,,,,, | 1,313 1,404 | 1,933 1,352 | 8,711 | 7,516 | 808 2,017 | 9 103 | 2,098 5,592 | 2,151 2,733 | 1,115 | 5,182 | 263 | 153 145 | 2,501 | 4 | 223 | 2,119 538 | 320 100 | ა96 |
| 41 42 43 | High sided wagons, bogie High sided wagons, 4 wheelod Medium sided wagons, bogie | - 1 | 1,003 | 3 | 1,000 | 3,558 | 1,200 | 10 717 | 1,113 | | 14 125 | | | | 16 60 | | 744 | | 2-0 | |
| 44 45 | Low sided wagons, 4 wheeled Low sided wagons, 5 Ordinary | 290 | 413 | | | | | 32 | 103 | 162 | | 29 | | 20 | 310 115 | 6 | | 51 | | 150 |
| 46 | bogie Low sided wagens, Ordinary 4 wheeled Military | 190 1a6 | 70 102 8a | 131 367 | 6,671 | 305 | 120 229 | | 140 491 1,082 | 374 | E00 | 541 | 65 | 565 | 286 | | 70 | 269 228 | | 145 |
| 47 43 | Corl or ooke wagons Cattle wagons | 2,740 14 | 100 | 1 | 1,3.3 7 | | 50 21 | | 21 | 110 | 4 5 | -1 | _ | 6 | 166 | | | | | 35 |
| 50 51 | Accident vins Platform wagons Powder vans | G. | 14 | 13 5 | 46 13 31 | 39 24 | 18 8 9 | | 17 | 8 | 5 3 | 2 | 1 | 2 | 13 | | 1 | 7 3 2 | | 1 |
| 52 53 | Timber trucks Relator trucks | 36 14 | 20 | 16 | | 191 | 216 | 10 | 40 | Ĵ | 46 | 279 | 14 | 22 | 91 157 | | 5ว๋ | 111 | 20 | |
| 54 55 | Ballast wagons Travelling oil tanks | 76 31 | 478 20 | 109 36 26 | 54 | 50 126 31 | 30 45 | 61 | 271 51 | 10 | 16 50 | | | 74 | 150 116 2 | | | 10 | 83 | } |
| 56 57 | Travelling water tanks Travelling gas holders | 11 | 20 25 8 4 | 8 2 7 | 3 | 11 35 | 10 12 | 3 2 | 72 15 | 1 6 | 8 | | | 2 | 23 | | | 4 | 1 2 | 7 |
| 59 59 | Travelling cranes Miscellaneous | 31 | 10 | 14 | 31 7 | 57 | 15 16 | 2 7 | 52 16 | 17 7 | 15 12 | 19 15 | 3 | 56 56 | 18 | | 1 | 13 19 | 6 | 1 |
| _ CO | Total Goods venicles | 7,379 | 5,105 | 4,0 o3 | 17,495 | 12,001 | 4,918 | 1,003 | 11 622 | 5,579 | 1,813 | | 848 | 1,018 | | | 1,059 | احسندا | | 911 |
| | Intermediate class Composite, intermediate & 3rd class | | 16 | 9 15 | 71 | | | | 120 | 45 | | TOA | Æ | CLA 12 | lss c | AR | RIAG , | ES F | ITT: | ED' |
| | Third class | 40 | 26 42 | 4 | 201 | 100 | 63 | 64 | 459 | 155 | 16 | | 3 | 21 | 52 | _ | 10 | | 64 | 85 |
| | Total | | | | 301 | 100 | 62 | LOW 61 | 579 Fig. (| 200 | E CAJ | ZRT A | 3 GE: | 33 PR | | <u></u> | 10 W 17 | 23 FL T.A | 64 TRI | 105 N.E. |
| | Intermediate class Composite, intermediate and 3rd | 35 | 17 | 24 21 | 81 39 | | 4 |] | 125 55 | 45 | LAU C | J204.A | 8 | 13 | الله | | ., | 15 40 | - 161 | 50 74 Tri |
| ĺ | class Third class | 40 | 65 | 84 | 219 | 191 | 94 | 61 | 490 | 195 | 19 | | 3 | 21 | 80 | | 10 | 272 | 61 | 85 |
| | Total | 75 | 82 | 132 | 339 | 191 | 98 | 64 | 67v | 210 | 19 | | 6 | 33 | 80 | | 10 | 357 | 64 | 105 |

DIX 22 railway at close of the calendar year 1905

| 19 | | rai — | ιυα | y at | | of t | he co | aler | ida | y | ear | 19 | 05 | | | | | | | | | | | | | | | | | | | |
|---|-------------|----------|------------|--------------------|-------------------|---------------------|---------------------|------------------|----------|-------------|--------|----------|--------|-------|-----------------|-----------------|----------|----------------|----------|--------|--------|--------|--------|--------|--------|----------|----------|----------|---------|-----|------------|------------------|
| The control of the | | | 1 | 1 1 | 3, 33,, | 1 | 7 | 1 | <u> </u> | 1 | | · - i | - | | | | | | | 1 | · · | ı — | | | | | · | 2' | 0" | | | |
| The control of the | | • | | 2 (g) to (m) | | 21 (a) to (f) | 22 (a) to (1) | _ | | | 26 | 3 (d) | | 3 (6) | (n) & (o) | (b) & (e) | 30 | 9 (q) & (h) | 19 | ! | | | 32 | 33 | ဟိ | 9 (1) | 35 | 5 (g) | 26 | 37 | 3 8 | Item = |
| 1 | | R W | N & S C | RM | R & | s I | в м | C | F B | T B | B B | B | С | E B | G D L.B. | .G E& PD | K. | T & | R W | M B | L L | W L | B P | T B | T K | T D | H | r G | H A. | B | J | |
| 1 | >. <i>l</i> | 3 1} | 18{ | 145 303 | } ₄₀ { | 73 155 | 237 | ${1 \choose 2}$ | | 7 | 3 | 5 | 2 | 1 | | | | | | | | | 4 | 3 | 3 | 7 | 18 | 15 | 7 | 4 | 7 | 1 2 |
| 11 | " 1 | 4 | 18 | 448 | 40 | 225 | 237 | 3 | 3 | 7 | 3 | 5 | 2 | 10 | 11 | 19 | 24 | 80 | 6 | 3 | 3 | 5 | 4 | 3 | 3 | 7 | 18 | 15 | 7 | 4 | 7 | 3 |
| 2 2 8 6 19 9 44 56 8 2 8 1 19 64 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 3 | 1 | ļ | 4 2 | | Ì | | | 1 | | 1 | | 1 | 3 | 2 | 4 | 1 | 3 | | 1 | 1 | 1 | | | | 3 | - 1 | | | | 4 5 6 7 |
| 2 3 4 5 9 9 9 1 1 2 1 2 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1 1 1 1 1 1 2 1 | | 3 | 2 | 88 | 6 | 3 19 | 41 | | | | | | 1 | | 1 | | 12 | 3 | ļ | 2 | | | | | | | 18 | ĺ | | | | 8 } 9 |
| 2 | | 5 | 1 | 3 45 | 8 | 1 47 | 54 | | 2 | | 2 | | | | ь | 2 | 4 | 8 | | | | 3 | 2 | | | | 5 | | - | | | 10 |
| \$\begin{array}{c c c c c c c c c c c c c c c c c c c | | | 1 | | | 80 | 19 | | | | | | | | | | | | 9 | | _ | | | 2 | 2 | | _ | | | | 4 | 12 |
| 1 | | 3 | | l | 6 | 1 | 37 | 1 | | 4 | 1 | 2 | | 5 | | 5 | 14 | | | 2 | 1 | | 1 | 2 | | ļ | | 3 | 5 | 2 | 2 2 | } 14 |
| 15 | | ı | | 50 | 3 | | | | 1 | | 2 | | | | | | | | 2 | | | | 1 | | | | | | | | |) |
| 21 | | | | 15 | 7 | | | | - | | | 1 2 | | ı | | | | 5 | | | | | 2 | | | | | | 8 | 2 | |) |
| 21 | 9 | | | 8 | 3 | м | | | | | ! | | | | | | | | | | | | | | | | | | | | | 18 19 |
| 20 6 10 283 25 86 45 33 3 3 2 1 7 11 16 18 14 6 2 3 4 8 8 7 10 2 1 1 2 2 2 2 3 8 8 8 10 10 2 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 | | | 21 | 531 183 | 49 20 | 1 | 204 53 | 13 | 'è | 2 | 15 | 6 | 1 | 19 | 31 | 14 | 26 | 22 6 | 15 13 | 3 | 3 | 10 | 14 | 1 | 6 | | 89 | 28 | 49 | 14 | 11 | 1 |
| 20 6 10 283 25 86 45 33 3 3 2 1 7 11 16 18 14 6 2 3 4 8 8 7 10 2 1 1 2 2 2 2 3 8 8 8 10 10 2 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 | | | | 32 139 | 10 10 | | 237 237 | 1 | 1 | | 1 | | | 2 | | | | 9 | 4 | | | | | | | 9 | | | | | | 1 |
| 2 3 8 8 5 5 8 0 44 1 1 | (چ | 6 | 10 | , | ł | ł | 19 2 45 | 3 | | | | | 1 | 7 | 11 | 17 | 18 | | 6 | | 3 | | 3 | | | • | | 4 | 7 | 1 | | 3 |
| 55 & 2 1,670 184 1,099 1,083 26 13 7 24 16 3 47 54 55 78 80 53 9 8 18 25 14 11 9 97 63 66 20 22 38 75 471 245 75 85 25 7 7 56 47 150 49 10 2 2 1 7 12 183 44 40 14 40 40 40 | | | 4 | | 17 | 42 6 | 180 | | 3 | | 3 | 2 | | 5 | | 16 | | 1 3 | | 2 | | ·į. | 1 | 3 | 3 | | | 10 | 2 | 1 | | 25 26 |
| 55 & 2 1,670 184 1,099 1,083 26 13 7 24 16 3 47 54 55 78 80 53 9 8 18 25 14 11 9 97 63 66 20 22 38 75 471 245 75 85 25 7 7 56 47 150 49 10 2 2 1 7 12 183 44 40 14 40 40 40 | | | 3 | 5 | | | 6 | | | | | | | | | | | | | | | | | | | | 3 | | | | | 27 28 29 |
| 55 & 2 1,670 184 1,099 1,083 26 13 7 24 16 3 47 54 55 78 80 53 9 8 18 25 14 11 9 97 63 66 20 22 38 75 471 245 75 85 25 7 7 56 47 150 49 10 2 2 1 7 12 183 44 40 14 40 40 40 | | 2 | 3 | 98 82 27 | 5 | 30 81 | 14 47 22 | 1 | | | | | | | 2 | | | 3 | 2 | | | | | | | | | 5 | | | | 30 31 |
| 55 & 2 1,670 184 1,099 1,083 26 13 7 24 16 3 47 54 55 78 80 53 9 8 18 25 14 11 9 97 63 66 20 22 38 75 471 245 75 85 25 7 7 56 47 150 49 10 2 2 1 7 12 183 44 40 14 40 40 40 | | | | | | | _ | | | | | | | | | | | | | | ľ | | | | | | | | | | | 33 34 |
| 75 471 245 75 85 25 7 7 56 47 150 49 10 2 2 1 | | | | 1 | | 10 | _ 10 | | - | | | | | 1 | | | | 3 | } | - | | | | | | | | 2 | | | , | 36 37 |
| 29 | | 55 | 52 | 1,679 | 184 | 1,099 | 1,053 | 26 | 13 | 7 | 24 | 16 | 3 | 47 | 54 | 56 | 78 | 80 | 53 | 9 | 8 | 18 | 25 | 14 | 11 | 9 | 97 | 63 | 66 | 20 | 22 | 38 |
| 6 134 813 170 4 4 42 42 42 43 44 44 4 | 20 | 1 | 75 | 1 | l | i | 1 | 25 | | 7 | | 56 | | 47 | | 150 | | 49 | 10 | 2 | 2 | | | | 12 | | | | 10 | | 42 | } 39 |
| 6 134 813 170 4 4 42 42 42 43 44 44 4 | • | 1 | 48 | 3,662 1,020 | 770 | 1,894 263 10 | 3,364 193 57 | • | 6 | 5 | 1 | | | | 38 | 20 | 79 | | | 2 | | 57 | 20 | 30 | 12 | | 41 | 80 | 14 | 4 | 22 | |
| 7 953 | | | , | | | 813 | 170 | | | | | | 15 | | | | 25 | 19 | | 6 | | | | 12 | | | 183 | | 4 | 4 | | 42 43 |
| 1 | | | 7 | 227 953 | | 20 | | 10 | 100 | 20 | 10 | 9 | 3 | 90 | ! | | | 14 | 34 4 | " | ł | | 21 | 6 | | | | 10 | | | | 45 |
| 100 150 150 150 1 150 | | | | 1,196 | 0.3 | | 350 | 100 | 15 | 33 | 12 | | | 0.3 | 13 | 25 | 30 | 69 | | | - | " | | | | 326 | 1 | | -94 | | ľ | ., |
| 100 150 150 150 1 150 | | 1 | | ļ | 1 | 4 | 1 13 | - | | | | | | 1 | | | 1 | 7 | | | | | | 2 | | | | 1 | | | | 48 49 50 |
| 22 4 21 524 8 54 55 65 65 65 65 65 65 65 65 65 65 65 65 | | | 8 | 35 79 | 76 | 33 38 | 127 30 | | | | | 13 | | | | 23 | 4 | 1 | | | | 2 | | | | | 4 2 | | | | 5 | 1) to |
| | | | 22 4 | 21 | | 522 24 | 1 | | | 10 | | | | | | 2 | | 150 | | | | | | | | | | 100 | | | | 54 54 |
| 55 170 8,009 1,219 3,753 5,218 35 25 62 28 78 18 201 209 300 140 431 68 12 16 71 41 50 24 326 248 236 32 8 76 60 WITH CLOSETS FOR FEMALES 203 4 51 63 17 2 2 | | | | | 8 | 23 | I R | | | 1 | | | | 2 | | | | | 1 | | | | | - | - | | | | | | | 56 57 |
| WITH CLOSETS FOR FEMALES 203 | | KK | 170 | | | 13 | | 35 | 25 | | 98 | 79 | 18 | 201 | | - | 180 | -} | GD. | 19 | -[| -] | 41 | 50 | 91 | 396 | · | 226 | 99 | 2 | ne | -1 |
| 203 4 51 63 17 2 | - | | . | CLOS | ETS | | | . | | <u> ~~</u> | 1-0 | - | 10 | | | | 120 | 1 201 | 100 | 1 | - | J | 1 | , 00 | - | 15-0 | 120 | -] | 1 32 | , 0 | 1.0 | - " |
| 273 13 51 63 17 2 2 ACCOMMODATION, INCLUDING THOSE FOR FEMALES 70 9 . 2 6 6 | | | | 70 | 9 | | 63 | 17 | | | | | | 2 | | | | - | | | | | | | | | | } | | | | |
| 17 235 4 134 110 17 2 6 · · · · · · · · · · · · · · · · · · | | | | | | 1 | | .1 | İ |]_ | | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| 17 235 4 134 110 17 | | ΔĊ | COM l | IMOI | ATIO | ŠN, II] | ИСТІ | j D I | ŇG | TH [| cao | e e (| ÒR | | | eis (| , - I | 1 | 5 | 1 | | 1 | 1 | | (| [| . – [| I | | [| | 1 |
| 17 305 13 134 110 17 | | | 17 | 235 | 4 | 134 | 110 | 17 | | | | | | 2 | | | | | 6 | | | | | | | | | | | | | |
| | | | 17 | 305 | 13 | 134 | 110 | 17 | | | | | | 2 | | | | | 11 | | | | | | | | | | | | | 1 |

Number of, outlay on, and

| | GAUGE | | | | | 5′ 6 | " | | - |
|----------|-------------|-------|------------|-------|------------|------------|-----------------|----------------|---|
| 170 No | Number | 1 (a) | (a) to (f) | 3 (a) | (a) to (d) | (a) te (s) | 6 (a) to (c) | 8 (a) & (b) | |
| Progress | Particulars | BN | BBA | EBS | EI | GLP | М | NGS | 1 |

ENGINES

(In the table below except where separately shown, the Passenger engines are included with Goods and Mixed engines)

| | (| | | | | | |
|--|---|--|---|--|--|---|--|
| Passenger engines Ramber added in 1905 Number at elose of 1904 Number added in 1905 Number at elos of 1905 Number added in 1905 Number | 57 20 777 174 40 214 291 0 17 20,835 184 7 22,677 57 64 9 610 9 640 9 640 8 691 | 82 57 135 132 219 0 26 24,031 10 402 18,876 65 23 52 6,103 | 59 12 71 115 186 0 37 23,321 18456 20,313 64 50 50 4,656 4,656 | 144 6 150 771 802 952 042 46,719 20,271 22,862 101 55 63 8,166 109 1,90,44 8,518 | 821 2 823 0 20 27,020 17,852 20,662 74 49 56 6,16 2,77,96 | 54 54 202 10 212 266 019 28,959 21,602 23,101 60 64 6,577 94 6,577 94 6,599 | 5 56 56 61 0 17 17 963 19 063 18,072 49 52 52 5,915 |

COACHING STOOK

(In the table below where the value of ceaching stock is not shorn it is included with that of Goods)

| Number at elese of 1904 Number added in 1905 Number at elese of 1905 Number at elese of 1905 Number at elese of 1905 State class 23 24 Number per mile of Intermediate class line open 3rd class All other classes | 911 911 0 04 0 03 0 02 0 26 0 19 | 632 634 0 05 0 07 0 03 0 36 0 26 | 698 14 712 0 13 0 10 0 16 0 50 0 45 | 2,330 -5 2,375 0 03 0 06 0 06 0 42 0 44 | 2,243 45 2,288 0 07 0 03 0 81 0 36 | 1,201 11 1,212 0 07 0 03 0 01 0 40 | 190 2 168 010 005 019 | |
|--|--|--|--|---|--|---|--------------------------------------|--|
| Total of all classes Ist class 20 | 0 54 38,167 46 210 69,979 15,870 35 043 42,399 116 37 125 71,16 4,211 | 0 77 54,730 150 188 90 | 1 43 25,570 25,642 39,159 37,722 23 401 31,902 87 25 72 | 106 60,329 70 %50 76 035 67,838 33,171 53,432 146 50 450 | 0 62 55,274 53,087 56,539 39,774 48,062 133 58 268 1,18,27 4,215 | 0 50 0 80 31,081 28,887 56 530 36,094 31,515 33,563 92 80 113 46,18 3,280 | 0 19 0 53 33,580 30 21 | |

GOODS STOCK

| | | . | | | | | | | 1 |
|--|---|--|--|-------------------|---|-------------------|---|--|---|
| 39 40 41 42 43 44 44 44 44 44 44 44 44 44 44 44 44 | Covered wagens Open Timber trucks, including bolster trucks All other classes Total of all classes Covered wagens Open Number added in 1905 Timber trucks including bolster trucks All other classes Total of all classes Covered wagens Open Number at clese of Timber trucks, including bolster trucks All other classes Total of all classes Covered wagens Open Number at clese of Timber trucks, including bolster trucks All other classes Total of all classes Number of all classes per mils of line open Average milsage run by each per annum Average milsage run by each per annum Average milsage run by each per annum Average tare in tons Open Average carrying as Covered wagens Open Average load of a geeds vehicle, lended and empty, per milo Freight ton mileago per vehicle, in thensands of tons Average under repairs or renewals at any one time Total value per mile of lins open | 3,776 3,241 500 81 7,145 231 3,776 3,472 436 15,105 436 15,105 436 436 15,105 436 436 1494 1494 1649 7,24 79 216 2,0549 12,161 | 2,721 2,281 20 53 5,105 -4 2,717 2,281 2,717 5,105 5,105 6,14 14 03 14 10 698 69 251 | | 8 276 8,900 206 17,383 — 23 132 9 9,113 8,248 9,032 215 17,495 7 25 6 68 14 86 14 86 14 86 14 86 14 86 14 86 14 86 14 86 14 86 16 81 10 01 96 43,926 | | 2,507 1,512 197 69 4,915 93 — 80 — 12 3 2,900 1,762 185 14,91 12,932 1,35 14,92 13,55 14,92 13,55 14,92 13,55 14,92 13,55 14,92 13,55 | 161 759 1008 1,008 1,008 1008 2,284 18,067 7 00 13,25 16,78 6,90 102 56 | |
| 66 67 | Grand total value of rolling steek, in thensands of rupces Grand total value of relling steek, per mile of line epsn | 4 23,52 25,061 | 2,38,19 27,441 | 1,83 15 36,777 | 11,92,40 52,275 | 6 56 63 22,895 | 2 75 75 19,583 | 54,88 15,609 | |

DIX 23
work done by, Rolling-stock

| | | | Ł | 4 | | | , | 3′3 | " | | | | | | Γ |
|------------|-----------|-----------|-----------|-----------|---------------|--------|----|-----------------|-----------|-------|------------------|-----|----------------|-----------------|-----------|
| (a) to (f) | (a) & (b) | (a) & (b) | (a) & (b) | (a) & (b) | (a) to (d) | 15 (a) | 16 | 17 (a) & (b) | (b) & (c) | 8 (c) | 18 (a) to (c) | 19 | 6 (d) & (e) | 2 (q) to (m) | 70 No. |
| NW | O&R | АВ | B&N W | вр | B G J P | В | ń | Ds | EBS M | нсу | JВ | MRW | N & S | RM | Progressi |

ENGINES

(In the table below except where separately shown, the Passenger engines are included with Goods and Mixed engines)

| 719 37 756 756 0 19 26,383 72 7,721 2 60 93 6 728 | 46,152 14,114 28,575 126 | 72 5 77 77 0 09 23,741 65 3,488 22 17 2,994 | 20 15 35 205 240 0 15 20 435 23,460 23,189 65 63 4,083 27 67 66 4,361 | 10 10 10 9 06 28,427 78 1 270 1,705 | 37 37 37 0 06 16,784 46 2 709 1 756 1,661 | 28 208 208 208 251 223 251 0 50 715 17,603 23,149 84 48 63 4 20 72 36 5,400 | 4 -2 -2 2 0 40 13,372 | 22 22 22 0 28 15,634 43 7 | 183 4 137 137 0 19 25 802 16 662 20,978 71 46 57 8,491 25 | 55 55 14 19,035 19,035 7 3,365 7 16 63 5,598 | 48 48 48 0 06 23,807 4,673 7 13 90 1,667 | 3 3 1 1 4 0 05 23 129 63 1 50 2,027 | 4 2 6 12 12 18 0 22 9,118 10 407 9,891 31 1 163 2 | 145 290 13 303 448 05 17,276 19,434 65 47 53 1,392 56 | 1284567889111213415166178 |
|--|-----------------------------------|--|---|---|--|---|--------------------------------------|---|---|---|--|--|---|---|---------------------------|
|--|-----------------------------------|--|---|---|--|---|--------------------------------------|---|---|---|--|--|---|---|---------------------------|

COACHING STOCK

(In the table below where the value of ceaching stock is not shown it is included with that of Goods)

| 2,369 2,399 0 04 0 04 0 04 0 04 | 852 1 853 0 08 0 05 0 05 0 29 0 20 | 239 20 259 0 03 0 02 0 01 0 13 0 15 | 912 87 1,029 0 05 0 01 0 01 | 63 63 | 255 255 0 05 0 04 0 03 0 31 0 18 | 993 -8 985 0 06 0 07 0 39 0 22 | 12 12 | 82 84 } 0 13 0 48 0 48 | 679 2 681 0 09 0 06 0 10 0 43 0 25 | 164 164 0 07 0 04 0 18 0 13 | 205 12 217 0 04 0 02 0 02 0 12 0 06 | 55 55 | 46 52 0 07 0 08 0 26 | 1,681 —5 1 679 | 19 20 21 22 28 24 25 26 |
|--|--|--|--|----------|--|--|----------|------------------------------------|---|--|--|----------|---|----------------------------|--|
| 0 60 | 0 20 0 67 5,380 3,623 8,239 20,203 14,384 46,829 128 38 | 034 36,199 35,486 } 34,779 { | 0 14 0 71 49,225 65 373 75,285 59 939 13,814 | 041 | 056 | 0 74 25 640 29,716 38,463 29,525 33,895 | 2 40 | 109 | 0 93 | 0 42 | 0 26 | 075 | 0 £3 0 59 13,127 22,457 15 752 10 3 '3 | 0 82 | 28 29 30 31 |
| 52,963 143 41 239 1,61,48 5,040 | 46,829 128 38 55 | 20,538 30,170 63 23 39 22,23 3,002 | 13,814 48,657 133 32 68 | 16 | 30,264 83 21 14 785 1,728 | 33,895 93 26 92 57 07 3,885 | | 14 | 22 103 | 45,831 126 31 10 8,77 2,241 | 53,209 146 34 13 | | 13,777 38 19 8 | 43,999 121 30 124 | 33 34 35 36 37 38 |

GOODS STOCK

| 8,676 2,917 320 253 11,556 56 8,132 2,917 253 11,622 2,917 253 11,622 20,354 56 7 51 7 12 16 60 13 87 7 62 7 62 137 344 3,02 61 9,273 | 4,884 616 47 5,577 2 2 4,884 648 49 5,579 437 14,896 12 12 12 12 10 11 1,67 18 13,275 | 1,215 412 70 85 1,812 10 -8 2 1,225 439 87 1,813 21 4 93 3 28 10 93 6 90 4 02 4,875 | \$ 5,711 { | 263 69 12 4 348 -3 2 1 263 66 14 5 348 2 27 | 298 705 223 1,018 298 705 228 1,048 2 90 5 391 1 15 2 73 7 15 2 73 1 16 40 12 53 1,751 | 3 530 903 4,965 160 17 170 3,690 903 3 98 5,155 3 84 11,515 3 7 4 56 3 7 8 82 3 30 44 469 89,98 6 714 | 2 4 6 10 200 | 223 814 50 2 1,089 23 814 50 2 1,089 11 05 | 2,848 564 143 3,605 | 403 \$32 200 11 816 1 403 382 20 12 817 2 09 12 635 4 29 4 03 11 00 3 90 4 9 13 13 3 , %57 | 602 295 36 933 8 8 8 802 295 44 941 1 13 12,823 3 90 4 73 9 51 12 85 4 22 27 17 3,261 | 29 25 29 25 29 25 55 0 75 | 79 56 8 142 27 79 83 8 170 2 12 8,359 8 02 6 51 14 90 4 21 14 6 | 4,619 2,677 79 1002 7 477 584 -2 5,153 2,677 100 8,009 3 91 16,030 4 4 07 4 30 9 59 12 41 4 45 71 215 | 39 40 412 43 445 467 48 49 50 12 28 45 55 55 55 56 66 66 66 66 66 66 66 66 66 |
|---|---|---|-------------------|--|---|---|----------------------------------|--|----------------------------------|---|--|--|---|--|---|
| 7,34,02 18,503 | 2,32,69 18,482 | 80 50 10,873 | 2,10,15 13,541 | 12 03 7,863 | 27 94 6,135 | 21441 16001 | Informa tion not available | 23 94 30,885 | 1,23,33 16,825 | 38 55 9,859 | 41,07 4,930 | 433 5 851 | 14,50 17,683 | 2 49 10 12,157 | 66 |

| | , | | | | | | | Nun | nber q | f, out | lay on | , and |
|--|---|---|---|---|---|--|-------------------------------------|---|--|--|--|--|
| | GAUGE | | 3′ 88″— | concld | 1 | | | | 2' 6' | | | |
| 176 No. | Number | 20(a) & (b) | 21 (a) to | 22 (a) to | 23 | 24 | 25 | 26 . | 3 (d) | 27 | 3 (b) | 2 (n) & (e) |
| Progressive No. | Partionlars | R&K | 81 | ви | υσ | ввг | BL | вв | СВ | c I | E B S | G D & |
| | | | | INES | | | | | | | | |
| | (In the table below except where separate | ly shown | tho Pas | senger en | gines nro | mclnde | l with Go | ods and | Muxed ea | grace) | | |
| 123456789111234 1123451718 | Passenger en { Number at close of 1904 Number at close of 1905 Number at close of 1905 Number at close of 1904 Number at close of 1904 Number at close of 1904 Number at close of 1904 Number at close of 1905 Number at close of 1905 Total number of locomotives on the 31st December Number per mile of line open of all classes Average mile (Passenger age run by each { Goods per dien All classes Ten milesge hauled per engine, in thonsands of tons Average number at long at any one time Total value, in thonsands of rupees Total value per mile of line open | 40 40 0 14 7,11 8,713 20,196 21 55 2,947 9 | 73 145 10 155 208 017 30 968 15,220 22,140 25,140 3,729 23 | 238 —1 237 237 0 14 19 861 17 704 20,196 54 48 59,71 3,533 59,71 3,466 | 1 1 2 3 0 04 19,029 5 3,720 65 1,384 | 3 3 3 0 12 1,358 37 ,76 2,941 | 5 2 7 7 0 25 25,567 | 3 3 3 0 16 9,139 25 70 3,786 | 5 5 5 0 15 17,953 19 | 2 2 2 0 17 6 950 19 | 10 10 0 29 14,759 10 '42 11,140 40 28 30 | 11 11 0 08 11,112 30 2 1,44 1,034 |
| | (In the table below where the val | | | NG STO | | is incla | dicw bol | that of G | leeds) | | | |
| | | | | | | i | | | | 1 | 1 4- | |
| 19 20 21 22 23 24 25 27 28 29 31 32 33 31 | Number at close of 1904 Number added in 1905 Number at close of 1905 Number at close of 1905 Number at close of 1905 Since class Intermediate class Ord class All other classes (Total of all classes (Ist class Class class Control of all classes (Ist class | 180 4 184 003 004 0 03 0 10 0 63 | 1,063 1,089 0 06 0 05 0 18 0 81 0 81 81,942 | 1,053 1,058 0 05 0 04 0 32 0 20 0 61 | 26 0 03 0 03 0 03 0 22 0 05 0 37 | 13 13 050 | 7 7 0 23 0 09 0 32 | 24 24 130 | 16 0 06 0 03 0 10 0 25 0 04 0 48 | 0 03 0 05 0 05 0 25 | 47 0 11 0 06 0 17 0 91 0 86 1 61 | 51 54 0 06 0 26 0 11 0 43 |
| 30 31 32 33 34 35 36 37 38 | Average mileage run by each arm by each arm by each arm arm arm arm arm arm arm arm arm arm | 84,916 96 20 20 | 42,758 49 327 81 637 43,613 119 38 67 | 29,448 89 23 51 | 31,505 86 28 2 110 1,734 | | Ω | | 2 | 4 928 14 | 6 | 1 29 975 |
| | | | GOODS | STOCK | | | | | | | | |
| 39 | Covered wagons | 948 83 | 2,12 ₅ 1,347 | 3,334 1,054 | 25 10 | 1 | 7 15 | 14 2 | 56 | | 47 | 55 152 |
| 41 42 43 44 45 46 | Number added Number trucks, including belster trucks All other classes (Total of all classes (Covered wagons Open ,, nelading belster trucks, including belster , including belster , including belster | 76 15 1,122 67 30 | 3,549 156 46 | 206 4,861 366 10 | 35 | 6 19 | 39 1 62 | 12 28 | 70 | 18 | 111 201 -6 | , 209 |
| 47 48 49 50 51 | ia 1905 All other classes Total of all classes Covered wagons Open Timber trucks, including bolster of 1905 trucks trucks trucks | 97 1 ,015 113 76 | 2,261 2,281 1,393 71 | 357 3,700 1,044 267 | 25 1 0 | 25 6 19 | 7 15 39 | 14 2 | 8 56 9 13 | 18 18 | 47 32 9 | 55 152 |
| 52 53 54 55 56 57 58 59 | All other classes Total of all classes Namber of all classes per mils of line open Average mileage rnn by each per annum Average mileage rnn by each per diem Average ture in Covered wagons | 15 1,219 4 19 7,189 19 9 96 | 3,753 2 77 11,468 31 4 44 | 207 5,218 3 03 11,351 31 4 03 | 35 0 50 12,530 34 4 02 | 25 0 96 | 62 221 - 590 | 12 28 1 51 2 75 | 78 232 332 | 18 | 113 201 5 86 2 79 | 209 167 |
| 58 59 60 | tens {Open ,, Average carry- Covered wagons ing capacity in {Open ,, tons | 3 46 11 30 10 39 | 3 73 7 87 7 26 | 3 28 7 76 6 97 | 3 22 7 40 6 29 | | 5 35 14 10 14 65 | 2 50 6 00 6 00 | 2 15 3 79 5 00 | 2 25 5 25 | 4 13 4 35 4 65 | • |
| 61 62 63 64 65 | Average load of a goods vehicle, leaded and empty, por mils Freight ton mileags per vehicle, in thousands of tons Average nader repairs or renewals at any one time I otal value, in thousands of rupees Total value per mils of line open | 4 27 26 52 | 3 68 46 207 | 3 50 37 112 1,08,60 6,304 | 2 17 23 58 845 | 1,28 4,931 | 4 | 1,71 9,232 | 5 | 8 723 | ₁₅ | ï,45 1,101 |
| 66 67 | Grand total value of rolling stock, in thousands of rupees Grand total value of rolling stock per mile of line open | 41,35 13,692 | 1,56,00 11,530 | 1,68,31 9,751 | 2,72 3,9 <u>1</u> 2 | 2,04 7,868 | Infer mation not available | 2,41 13,018 | 1,96 5,765 | 20 1,667 | Included with E B S Ry 3' 3''' | 4,18 3,170 |

DIX 23—conold

work done by Rolling-stock

| | | | | 2′ 6″ | , | | | | | | | 2' 3' | | | | |
|--|--|------------------------------------|---------------------------|--|-------------------------------|----------------------|------------------------------|----------------------|----------------------|---------------------|--------------------------|------------------------------|------------------------------|------------------------------|---------------------|---|
| (b) & (e) | 30 | 9 (q) & | 19 | 1 (c) | 1 (d) | 20 (c) | 32 | 33 | 6(f) | 9 (1) | 35 | 5 (g) | 36 | 37 | 88 | No. |
| G E & | k s | K.K T LN D | M R W | мв | PLL | PWL | вр | тв | тк | DГ | рн | G L | HA | HS | , J | Progressive No |
| | (1 | in the tal | ole below | except 1 | vhere sep | arately sl | | ENGINE Passeng | | es aro inclu | led with G | eods and | Mixed on | igines) | | ŗ |
| | 1 | <u> </u> | [| 1 | | | | | | İ | | | 1 1 | | | <u> </u> |
| 17 2 19 19 0 07 | 18 11 24 24 0 40 | 27 8 30 30 0 23 | 7 -1 6 6 0 37 | 3 3 0 09 | 3 3 0 12 | 5 5 0 13 | 4 4 0 12 | 3 3 0 15 | 3 3 8 0 12 | 7 7 7 1 13 | 18 18 18 0°3° | 15 15 15 0 08 | 7 7 7 0 19 | 4 4 0 20 | 7 7 7 0 23 | |
| 18,039 | 7,512 | 12,964 | 9,989 | 18 174 | 6,559 | 12,584 | 23,462 | | | | 13,995 | 9 841 | 14,775 | 8,766 | | |
| 49 2,510 | 21 517 3 6 55 11,027 | 7 31 5,535 | 27 1 | 36 708 69 2,129 | 18 487 1 76 3,081 | 35 1 | 64 1 68 2,057 | 1 | | | 33 2 3 22 6,323 | 27 2 | 1 65 4,460 | 24 65 3,280 | | |
| | | (| In the tal | ble below | where th | ie value o | | HING S | | own it is in | oluded with | that of | Goods) | | | <u>, </u> |
| 50 6 | 78 | 78 2 | 54 | | 8 | 18 | 25 | 14 | |] 9 | 91 | 59 | 56 10 | 20 | 19 | |
| 56 0 02 0 01 | 78 0 30 0 27 | 80 0 05 0 03 0 02 0 30 | 54 -1 53 | 9 0 06 0 03 | 8 0 0 1 10 0 | 18 005 005 | 25 0 07 0 04 | 14 010 | 11 11 0 08 | 9 | 97 6 46 0 56 | 63 | 10 66 | 20 | 22 22 | |
| 0 14 0 02 0 19 23,352 40 F17 | 0 44 0 30 1 31 4,711 5,031 | 0 02 0 30 0 20 0 61 | 331 | 0 03 0 09 0 06 0 27 5,028 6 617 | 0 14 0 13 0 32 6,975 | 0 33 0 03 0 46 | 0 08 0 45 0 11 0 75 | 0 45 0 15 0 70 | 0:24 0 12 0 44 | 1 46 | 0 52 0 06 1 90 | 0 25 | 1 78 | 1 00 | 0 73 | |
| 56 315 44 (85 36,787 41,784 | 10,621 9,176 7,778 21 | | | 6,617 11,710 10 572 8,840 21 | 18,452 5,860 11,459 | | | | | | 1 | | | | | |
| 20 | 3 49 5,877 | 7 1,85 1,405 | 5 | 6 | 31 1,245 | 1 | 69 2,061 | | | • | 1 | | | | | |
| | | | | | | | goo | DS STO | CK | | | | | | | |
| 170 80 | 70 60 | 84 335 | 20 47 | | 2 14 | 58 2 | 20 15 | 30 18 2 | | | 37 182 6 | 80 55 | 14 8 | 4 4 | 42 21 | |
| 250 25 23 | 130 10 | 23 442 1 | 1 68 | 4. 8 | 16 | 71 71 | 35 6 | 50 | 12 12 | 326 326 | 19 244 7 —3 | 101 236 | 10 52 | 8 | 9 75 5 | 4 |
| 2 50 170 105 23 | 10 80 60 | -12 -11 84 336 | 20 47 | 12 4 8 | 2 14 | 58 2 | 20 21 | 30 18 2 | 21 12 12 | | 44 179 6 | 80 55 | 14 8 | 4 4 | -4 1 42 29 | |
| 300 1 05 11,538 | 140 2 36 4,292 12 | 11 431 3 27 | 88 4 25 | 12 0 37 7,311 | 16 0 65 4,474 | 11 71 1 82 | 41 1 23 | 50 2 50 | 24 0 96 | 326 326 0 53 | 19 248 4 86 | 101 236 094 | 10 32 086 | 8 0 40 | 5 76 2 53 | |
| 11,538 32 7 44 5 58 10 95 10 87 | $ \begin{cases} 3 & 12 \\ 6 & 25 \end{cases} $ | 4 50 1 33 8 64 3 48 | | 5 00 5 06 9 00 11 00 | 6 93 4 06 9 01 7 33 | 3 16 4 81 | 2 75 2 15 5 00 5 00 | 4 00 4 00 | | | 3 70 3 70 | 2 13 2 66 5 13 4 16 | 2 75 2 50 5 00 5 00 | 2 75 2 50 5 00 5 00 | | |
| 8 95 45 | 2 34 10 | | | 7 83 57 | 3 01 14 | | | | | | 7 | | | | | |
| | 2,77 4,655 | 4,83 3 660 | 1 | 1,669 | 41 1,689 | 5 | 61 1,836 | | | | 3 62 7,102 | • | 3,26 8,759 | 1 03 5,224 | | |
| | | 13,99 | 3,56 | 1,23 | 1,49 | 1,42 | 1,98 | 1,60 | 2,40 | Included | 6,84 | 5,56 | 4,91 | 1,63 | 2,03 | Г |

Rolling-stock fitted with automatic brakes at close of 1905

| Nu | MUER | | | Lo | COMOTIV | ES | | oaching ding al | | | Good | e vrhici Cr. | es, excl anes | UDING | |
|--------------|-------------|-------------|--|----------|---------------|---|----------|--------------------|---------------|---|--------|-----------------|------------------|--|---|
| Main head | Snb head | Gauge | RAILWAY SYSTEM (Vide Appendix 1) | Fitted | Not fitted | Propor tion per cent of fitted to total | Braked | Piped | Not fitted | Propor tion per cent of fitted to total | Braked | Piped | Not fitted | Proportion per cent of fitted to total | |
| 1 | (a) | h | Bongal Nagpur | 176 | 115 | 60 43 | 715 | 12 | 184 | 79 80 | 1,217 | 13 | 6,138 | 16 69 | 4 |
| 2 | (a) to (f) | 11 | Bombay, Baroda and Central | 181 | 38 | 82 65 | 496 | 4 | 134 | 78 86 | 2 | 49 | 5,050 | 100 | |
| 3 | (a) | | Lastern Bengal State | 129 | 57 | 69 35 | 502 | 44 | 166 | 76 69 | | 13 | 4,033 | 0.32 | |
| 4 | | }} | East Indian | 487 | 465 | 51 16 | 1,522 | 92 | 761 | 67 95 | 235 | 78 | 17,151 | 1 79 | |
| 5 | (a) to { | ef. | Great Indian Peninsula | 3 491 | 332 | 59 66 | 1,721 | 11 | 556 | 75 70 | | 165 | 11,782 | 1 38 | |
| | (f) | 11 | Indian Midland |) | | | | | | | | | | | |
| 6 | (a) to (c) | | Madras | 152 | 114 | 57 14 | 935 | 20 | 257 | 78 80 | 161 | 15 | 4,721 | 3 65 | |
| 8 | (a) & (b) | | Nizam's Guaranteed State | | 61 | | 55 | 3 | 130 | 30 85 | l | | 1,006 | } | |
| 9 | (a) to (f) | }} | North Western State | 705 | 51 | 93 25 | 2,036 | 90 | 223 | } | ł · | 103 | 10,421 | 9 93 | |
| 10 | (a) & (b) | ١, | Ondh and Rohill hand State | 122 | 83 | 59 51 | 714 | 49 | 90 | 89 45 | 29 | 10 | 5,523 | 0 70 | |
| 11 | | II – | Assam Bengal Bengal and North Western | 68 | 9 | 83 31 | į | 2 | 12 | 95 37 | l | 7 | 1,609 | 6 06 | |
| 12 | | [] | Bengal Docars | 65 | 175 | 27 08 | 362 | 2 | 665 | 35 37 | | | 6,251 | } | |
| 13 | | 1 | 11 - | l | 10 | 1 | | } | 63 255 | | | | 345 | | |
| 14 | | | Bhavnagar Gondal Junagad Porbandar Burma | 144 | 37 107 | 57 37 | 10- | 31 | 530 | 1 | 155 | 9 | 1,046 | | |
| 15 | | H | Deoghnr | 153 | l | 91 31 | 421 | 3* | 1 | 1 | 155 | 9 | 4,961 | 3 20 | |
| 16 | | li | Dibra Sidiya | | 22 | | | 1 | 12 84 | 1 | | | 10 | | |
| 17 | <i>a</i> > | li. i | Eastern Bengal State | 106 | 31 | 77 37 | | 42 | 193 | 70 78 | 1 | 2 | 1,088 | j | |
| 3 | (b) & (c) | 33," | Hyderabad Godavarı Valley | 100 | 55 | 11.01 | 440 | 444 | 161 | 1 53 | į | " | 3,542 | 0 66 | |
| 8 | (c) |) m | Jodhphr Bikaner | | 48 | ł | 3 | 1 | 216 | 0 46 | ł | | 815 | | |
| 18 | i | | Morvi | | 4 | | | 1 | 55 | 0.40 | | } | 941 | l | |
| 19 | (1) D (3) | | Nilgiri and Shoranar Cochin | 6 | 12 | 33 33 | | 1 | 39 | 25 00 | | , | j | | |
| 6 | (d) & (e) | | Rajputana Malwa | 45 | 403 | 10 04 | 12 97 | 85 | 1,517 | 1 | 1 | | 119 | 12 37 | |
| 2 | (g) to (m) | | Rohilkund and Kumaon | 1 | 203 | 25 00 | 97 | 00 | ı | 1 | } | | 7,982 | } | |
| 20 | (a) & (b) | | South Indian | 10 48 | • | 23 00 | 010 | | 184 | 1 | | ļ | 1,211 | | |
| 21 | | | Southern Mahratta | 42 | 180 | 1772 | 210 | 2 3 | 887 | 19 29 | | | 8,745 | | |
| 22 | | | Udaipur Chitor | 92 | 195 | 1772 | 105 | 3 | 911 | 10 35 | | } | 5,197 | l | |
| 23 | | ן י | Baraset Basırlıat Light | | 3 | } | | | 26 | | | 1 | 35 | ļ | |
| 24 | | | Bars: Light | | 3 | | | { | 13 | | | | 25 | 1 | |
| 25 | | | Bukhtiarpore Bohar Light | | 7 | | | | 7 | | 1 | | 61 | 1 | |
| 26 | . ** | ll i | 1 | | 3 | | | | 24 | | | | 23 | Ì | |
| 27 | (ď) | | Cooch Behar including 2 6" gaugo branches of Eastern Bengal State Railway Cutch | | 15 2 | | | | 63 | | | | 279 | | |
| 2 | (n) & (o) | [] '] | Gackwar s Dabhor and Raj | | 11 | | | | 54 | 1 | 1 | | 209 | | |
| 1 | (b) to (e) | 2, 6" | pipla Jubbnlpore Gondia, Monr- bhanj, Parlakimedi Light and Baipur Dhamtari | 12 | 13 | 48 00 | 31 | | 39 | 46 57 | 223 | | 105 | 67 09 | |
| 30 | Ì | | Kalka Simla | 21 | | 100 00 | 78 | | | 100 00 | 79 | 61 | } | 100 00 | |
| 9 | (g) & (h) | ll j | Khushalgarh Kohat-Thal and Nowshera Dargai | | 30 | | | | 80 | ' | | | 431 | | |
| 19 | | | Morvi | | 6 | | | | 53 | | | | cs | | |
| 20 | (c) | | Powayan Light | | 5 | | | | 18 | | | } | 71 | ' | |
| 92 | | 1 | Tarakeshwar Magra Light | | 4 | | | | 25 | | | ` | 41 | | |
| 33 | | 1 1 | Tezpore Balipara Laght | | 3 | 702.22 | | | 14 | | | | 50 | | |
| 6 | (f) |) (| Tırapattur-Krıshnagırı | 3 | | 100 00 | | | 11 | | | | 24 | | |
| 9 | (i) | | Dandot Light | | 7 | | 1 | | 19 | | | | 326 | | |
| 35 | | \$. | Darjoeling Himalayan | | 18 | | } | | 97 | | | | 248 | | - |
| 5 | (g) | 50,5 | Gwalior Light | | 15 | | } | | 63 | | | | 236 | | |
| 36 | | | Howrsh Amta Light | 1 | 7 | | } | | 66 | | | | 32 | | |
| 37 | | | Howrah Sheakhala Light Jorhat State | 1 | 4 7 | | } | - | 20 | | | | 8 | | |
| 28 | | ; (| Jornat State | | · | | | | 22 | | | | 76 | | |
| | i | | Total | 3,016 | 2,799 | 51 87 | 10,754 | 447 | 9,061 | 55 28 | 3,273 | 525 | 107,226 | 8 42 | |

Rolling-stock lighted by gas and electricity at close of 1905

| | | - | Bolling-stock lighted by gas a | sa erec | uricii | y at c | ose of | 1905 | |
|--------------|---|------------------|---|----------------|---------------------------------|----------------------------|---------------------------|--------------------|---------|
| | Nomben | Gang | RAILWAY SYSTEY | Nnm vehicle | ber of e s fitted ing wit | eoaching for light h | coaching | Propor- | Renarks |
| Maiu head | Sub head | | (Vide Appondix I) | Gas | Elec tricity | Total | rehioles not fitted | fitted to total | HEMANAS |
| 1 | (a) | h | Bongal Nagpur | 665 | 1 | 666 | 194 | 7744 | |
| 2 | (a) to (f) | - | Bombay, Baroda and Central Iudia | 405 | 2 | 407 | 7 | 93 31 | |
| 3 | (a) | | Eastern Bengal State | 484 | 1 | 495 | 220 | 68 79 | |
| 4 | | - [] | East Indian | 1,876 | 3 | 1,379 | 246 | 8186 | |
| 5 | (a) to (f) | \$_5'6' | Great Indian Peninsula | } 1,368 | 29 | 1 007 | P0 | 01 50 | |
| | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 4100 | Indian Vidland | 5 2,000 | - | 1,897 | 80 | 94 58 | |
| 6 | (a) to (c) | 11 | Madras | 1,001 | | 1 001 | 184 | 84 47 | |
| 8 | (a) & (b) | Ш | Nizam s Guaranteed State | 119 | | 119 | 61 | 66 11 | |
| 9 | (a) to (f) | - | North Western State | 1,851 | | 1,851 | 285 | 86 66 | |
| 10 | (a) & (b) | h | Oudh and Rohilkhand State | 633 | 1 | 684 | 169 | 80 19 | |
| 11 | | h | A-sam Bengal | 227 | | 227 | G | 97 42 | |
| 12 | | } } | Bengal and North Western | | | | 1,029 | | |
| 13 | | Ш | Bengal Dooa s | | | | 63 | | |
| 14 | | II | Bhavnagar Gondal Jnnagad Porbaudar | | | | 255 | | |
| 15 | | li . | Burma | 1 | 20 | 20 | 896 | 2 18 | |
| 16 | | | Deoghur | | | | 12 | Ī | |
| 17 | • | \ { | Dibru Sadiya | } | | } | 84 | - · | |
| 3 | (b) & (c) | 11 | Eastern Bengal State | 485 | | 485 | 191 | 71 75 | |
| 8 | (c) | 3' 83" | Hyderabad Godavarı Valley | 114 | | 114 | 50 | 71 26 | |
| 18 | | Ш | Jodhpur Bikaner | | 80 | 80 | 180 | 38 10 | |
| 19 | | | Morvi | | | | 55 | | |
| 6 | (d) & (e) | 11 | Nilgiri and Shorannr Cochiu | | | | 52 | 1 | |
| 2 | (g) to (m) | 11 | Pajputana Malwa | | 340 | 310 | 1,306 | 20 66 | |
| 20 | (a) & (b) | 11 | Rohilkund and Kumaou | | | | 184 | | |
| 21 | |]} | South Indiau | | 99 | 99 | ₹81 | 10 10 | |
| 22 | | | Southern Mahratta | 970 | | 970 | 55 | 91 63 | |
| 23 | | J | Udaiphr Chitor | | | | 26 | - 1 | |
| 24 | | l) | Baraset Basırhat Light | | | | 13 | | |
| 25 | | | Barsı Light | | | _ | 7 | - 1 | |
| 26 | | | Bukhtiarpore Behar Light | | 1 | Ì | 24 | 1 | |
| 27 | (d) | | Cooch Bohar meinding 2'6' gange bran ches of Eastorn Bougal State Railway Cutch | | | | 63 | | |
| 2 | (1) ° (1) |]] | Gackwar's Dabhoi and Rajpipla | | Ì | İ | 3 | 1 | |
| 1 | (n) & (o) | li i | | 31 | | 34 | 54 | 40.50 | |
| - 1 | (b) to (e) | ≥ 2′ 6″ - | Jubbulporo Goudia, Mourbhanj, Parlaki medi Light aud Raipur Dhamtari | " | | 93 | 39 | 40 58 | |
| 30 | | | Kalka Sımla | | 72 | 72 | 6 | 92-80 | |
| 9 | (9) & (h) | | Khushalgarb Kobat Thal and Novehera Durgai | | | | 80 | | |
| 19 | | | Morvi | 1 | | ŀ | 53 | - 1 | |
| 20 | (c) | | Powayan Light | | | ı | 18 | | |
| 32 | (-7 | | Tarake-bwar Magra Light | 1 | 1 | 1 | 25 | 1 | |
| 33 | | | Tezpore-Balipara Light | | - [| - 1 | 14 | - 1 | |
| 6 | (ፓ) | } { | Tırapattur Krislinagiri | 1 | | | 11 | | |
| 9 | (ı) | h . | Dandot Light | | | l | 9 | | |
| 85 | ٧٠, | | Darjeoling Himalayan | | 1 | 1 | 97 | | |
| 5 | (9) | | Gwalior Light | | | | 63 | i | |
| 36 | (8) | 2′0″ | Howrah Amta Light | } | | | 66 | 1 | |
| 37 | | | Howrah Sheakhala Light | | ļ | } | 20 | 1 | |
| 38 | |] [| Jorhat Stato | | | | 22 | | |
| | | ` | TOTAL | 9,782 | 648 | 10,430 | 7,408 | 58 47 | |
| | | | | | | | | | |

Railways on which points and signals were interlocked and on which block instruments were used for train signalling at close of 1905

| | v | | train signall | | clos | e of 1905 | | |
|----------------------------------|--------------|-------------------|---|--|------------------|--|-------------|--|
| Nu | MBEB | Gauge | Railway system | Total number of strtions on rail way | STAT | IONS AT WHICH POINTS AND SIGNALS WEBE INTEPIOCNED | Stat Ste | IONS AT WHICH BLOCK IA- UMENTS WERE USED FOR TRAIN SIGNALLING |
| Main head | Sub- head | Guage | (Vide Appendix 1) | Total m station way | No | Nume of system of interlooking | No | Name of block matru ment |
| 1 | (a) |] [| Bengal Nagpur | 283 | 93{ | 90 List und Morse's 3 Experimental | } 16 | 4 Webb and Thomsen's 12 Theobald's Train Key |
| 2 | (a) to (f) | | Bombay, Baroda and Central India | 132 | 30-{ | 22 Mackenzie and Hol land s 8 Experimental | 82 | 58 Procee's single wire sema- phore Does not give out a token or tablet 24 Experimental |
| 3 | (a) | | Eastern Bengal State | 129 | 33{ | 22 Ordinary double line interlocking 11 Experimental | } 22 | Pryce and Ferreira's Token not nocessary |
| 4 | | | East Indian | 378 | 179 | 93 English system 80 Dutton's 1 Experimental | 126 | 75 Pryee and Ferreira's Token not necessary 37 Tyer s Tuhlet 14 Experimental |
| 5 | (a) & (b) | 5'6" { | Great Indian Peninsula | 260 | 6 1 { | 43 English system 18 Liet and Morse s 3 Experimontal | } 260 | 205 Precee's Does not give out a token or tablet. At some of these stations two kinds of instruments are used 65 Neal s |
| 5 | (c) to (f) | | Indian Midland | 148 | 17{ | 11 Wreneh's 5 Euglish system 1 Experimental | } 31 | Precee's Does not give out a token or tablet |
| 6 | (a) to (c) | | Madras | 304 | 58 | 37 Last and Morse s | 211. | 106 Winter's Block with starting semaphores Doce no give out u token or tablet. 20 Winter's Block without starting semaphores Doce not give out a token of tablet. |
| 8 | (a) & (b) | | Nızam's Guarauteed State | 45 | 1 | 21 Preprimental Dutten s 267 List and Morse s |) } | 6 Tyers Tablet |
| 9 | (a) to (f) | | North Western State | 578 | 318 | 28 Tappet 20 Koy looking 3 Experimental | 32 | 26 Tyers double line bleel instruments |
| 10 | |] { | Ondh and Rohilkhand State | 182 | 110 | 103 List and Morle's 7 Experimental | } 2. | 1 Tyer's Tablet 1 Neal's Patent Voncher |
| 11 12 18 14 | | | Assam Bengal Bengal and North Western Bengal Dooars Bhavnagar Gondal Junagad Porbandar | 117 276 29 64 | · 2 | Experimental 12 Inst and Morse s | | |
| 15 | | | Burma | 230 | 16{ | 4 Fxperimental | } 6· | 2 Neal s 2 Theobald's Train Key |
| 16 17 | | | Deoghur Dibru Sadiya | 18 | , | 19 Lost and Morse's | h | |
| 3 | (b) & (c) | ll i | Eastern Bengal State | 138 | 20{ | 1 Experimental | 20 | Tyer's Tablet. |
| 8 | (6) |]} } | Hyderabad Godayarı Valley | 47 | 41 | List and Morse's | 1 | |
| 18 | | } | Jodhpur Bikaner | 85 | } | } | 1 | |
| 19 | | 3′3¾″ | Morvi | 12 | | | 12 | 6 Winter's Block with starting semaphores Does no |
| 6 | (d) & (e) | | Nilgiri and Shoranur-Cochin Rajputana Malwu | 29 291 | 99{ | 87 Sydney Jones' | } 20 | 6 Theobald s Train Key |
| 20 | (a) & (b) | | Rohilkund and Kumaon | 47 | 1 | Experimental | ľ | o maperimental |
| 21 | (0) 4 (0) | | South Indian | 236 | 33 { | 25 List and Morse's 5 Duttons 3 Experimental | 21 | Winter's Blook and Ticks |
| 22 | | | Sonthern Mahratta | 243 | (| o Experimental | 104 | 100 Wintor e Does not gro |
| 23 | " | | Udaıpur Chitor | 7 | | | | 4 Theobald's Train Key |
| 24 25 26 37 27 21 | (d) | | Baraset Basarhat Light Barei Light Bukhtarpore Behar Light Coool Behar | 11 5 7 9 2 29 49 | | | | |
| 27 | (n) & (o) | | Cutch Gaekwar s Dabhor and Rampipla | 2 29 | -1 | Country made | | |
| | Ē | | Jabbalpere-Gondia, Mourbhanj, Parlaki medi Light and Raipar Dhamtari | ł | | | | M- |
| 9 30 | (g) & (h) | 26' | Khushalgarh Kohat Thal and Nowshera Dargu Kulka Simla | 20 | | | | |
| 30 20 32 53 6 | (4) | | Powayan Light Powayan Light Tarakeshwar Magra Light Tezpore-Balipara Light Tirapattur Krishnagiri | 8 17 8 6 | | | | |
| 35 5 36 37 38 | (g) | 2′ 0″ < | Darjeeling Himalasan Gwalior Light Howrah Amta Light Howrah Sheakhala Light Jorhat | 11 23 18 12 8 | | | | |
| -00 | | ľ | Total | | 1 110 | | 96 | 8 |

APPENDIX 27.

Coal and wood fuel consumed by each railway (by systems) and price paid per ton during the calendar years 1901 to 1905

| | | | | SOURCE | es of s | UPPLY | DES | CRIPT | 0 701 U270! | F TUE | WIT ND CO | H AC | TUAL Q ER TON | UANT | 1TY | | | riov iv i on the | | |
|----|-----------------|------------------|--|---|--------------------------|--|-------------------------|-------------------------|--------------------|--|----------------------------------|------------------------------|-------------------------|--|---------------|----------------------------------|----------------------------------|--|--------------------------------------|---------|
| 7 | t _e | 1 đá | | NAME | TANCE | AGE DIS CARPIED TILES | 1010 | EIGN C | DAL | IND | IAN CO | AL | | Wood | | quant reduc- the ra | ity of | eoal, and erms of c ton of | boom | |
| \$ | | system, uide App | Culen dar year | (The name of the sources of | reckou | istanco is ed either o conrces ly or from | 1 | Cost | erton | | Cost | erion | | Cost p | erten | Per train | Per en | Per 1 000 freight | Per 1,000 6ross | REMARKS |
| | por | system, | | sources of supply is for coal only Wood was supplied from vari | tho deli several | places of very to storages | Quan tity in tons | | Ex cluding | Quan tity in tons | In cluding | Ex cluding | Qnan tity in tons | In cluding | Ex cluding | milo | mile | ton miles | ton miles | |
| | Number | Ry | | onseources) | Coal. | Wood | | freight | cluding freight | | freight | freight | | fre ght | freight | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | | | | | | | | Rs | Rs | | Rs | Rs | | Rs | Rs | | | | | |
| | | B | (1901) 1902 1903 } | Bengal | 162 162 163 | | | | | 8,710 8,466 10,623 9,789 | 6 20 6 27 6 00 5 67 | 3 00 3 00 3 00 3 00 | | | | 52 05 51 47 51 10 51 24 | 41 75 41 24 41 10 | 1,283 43 1,368 09 1,278 70 1,113 51 | 172 62 201 02 256 13 186 82 | |
| | | C | 1904 1905 | | 162 | Amalga | mated w | ith th | o Eas | tern Be | ngal S | tate r | ailway | | | | | | | |
| } | (a) | B | [1901] 1902 1903 1904 | Bongal and Umana | 331 321 283 228 | | | | | 95,231 113,180 134,066 149,725 177,960 | 6 26 4 29 3 71 5 52 | 2 50 2 48 2 43 2 58 | 103 206 219 | 5 60 4 20 | 5 60 | 65 95 67 95 | 57 33 58 65 | 77546 754 (8 | 178 95 178 58 199 42 200 80 | |
| | | | L1905J | 0 | 219 | | | | | 177,960 | 5 16 | 234 | 237 | | | 71 81 | 61 15 | 618 19 | 195 34 | |
| ÷ | (b) | D G | 1901 1902 1903 1904 | Bengul | 603 617 | | | | | 191 3,165 5,706 | 7 68 10 31 10 18 | 2 12 2 46 2 28 | | | | 64 35 56 20 54 33 | 60 52 47 63 45 53 | 1,135 88 1,178 53 983 05 | 393 30 344 98 300 75 | |
| , | 1 (6) | M B | [1905] 1905 | Bengal | [620 188 | | : | | | 417 | 4 69 | 2 28 | | | | 24 01 | | 1,265 94 | 440 05 | |
| | | PΙ | (1901) 1902 1903 } | Bengal | 603 567 | | | | | 350 362 | 7 96 7 40 | 2 37 2 12 | | | | 41 56 44 43 | 39 06 42 06 | 5,545 54 3 873 00 | 664 51 | |
| | (d) | L | 1904 1905 | | 495 495 | | | | | 361 354 | 8 70 8 52 | 2 46 2 28 | | | | 43 34 | 10 30 | 2,685 67 | 627 00 512 19 | |
| | 1 (e) | R D | $ \begin{bmatrix} 1901 \\ 1902 \\ 1903 \end{bmatrix} $ | Bengal | 481 460 463 442 | | | | | 599 554 683 785 | 8 06 6 41 6 07 8 12 | 2 38 2 37 2 12 2 46 | | | | 22 70 23 31 26 61 29 43 | 22 11 22 75 26 35 29 08 | 1,282 31 1,266 15 1,486 37 1,168 36 | 367 28 378 98 437 75 403 60 | |
| | | | 1904 | | 442 | | | 27 00 | | 856 77,916 | 7 9a 16 13 | 2 23 | 2 0 1 9 | 380 | | 30 89 | 30 41 51 16 | 1,091 26 | 369 67 | |
| ŭ | (a) to | B & | 1901 1902 1903 1904 | England, Bengal and | 129 | | 10,384 | 20 00 19 33 19 62 | | 65,559 | 15 93 14 56 12 92 12 53 | | 2 063 2,226 2,344 | 3 27 3 00 3 00 | | 58 11 57 58 59 27 | 48 99 48 16 49 22 | 513 66 514 46 536 53 | 154 30 148 09 152 36 | |
| 1 | (ž) | | (1905) | Singareni | 148 | | 12,621 | 16 87 | | 1,245 | 14 55 | | 2,494 54 | 3 06 | | 95 G5 | 48 43 25 48 | 514 00 | 149 83 | |
| | (n) | GD &R | 1902 1903 1904 | England and Bengal |] | | | | | 1 039 1,417 1,246 1,384 | | | 24 70 83 207 | | | 21 18 25 50 25 39 27 05 | 25 17 25 12 | | | |
| | (0) | | (1905) | | C 186 | | | | | | 5 93 6 10 | 2 80 3 48 | | | } | 71 66 69 86 | | 1,003 11 | 226 09 209 53 | |
| | 3 (a) | E B S | 1902 1903 1904 1905 | Bengal | 167 156 182 180 | | | | | 65,177 67,891 69,266 63,974 90,396 | 565 502 482 | 2 81 2 39 2 48 | | | | 72 02 72 78 76 38 | 50 20 49 11 | 839 42 919 95 863 33 975 41 | 212 73 206 85 | |
| |] | | (1901) (1902) | Bengal | 303 291 | | | | | 40,271 42,838 | 8 71 9 82 | 3 69 5 14 | | | | 39 75 42 62 44 07 | 32 18 34 31 35 65 | 920 93 898 88 | 7د 229 235 43 | |
| | 3 and (c) | BS | 1903 } 1904 1905 | and Assam | 280 285 281 | | | | | 47,247 49,891 48,662 | 6 52 6 09 6 06 | 3 78 3 75 4 32 | | | | 45 84 | 35 65 36 77 36 52 | 84138 87227 80530 | 229 44 231 02 227 73 | |
| 1 | | | [1901] [1902] | Bengal | 407 | | | | | 785 980 | 10 69 9 86 | 4 18 9 04 | | | | 29.95 | 19 13 21 50 | | | |
| | 3 (d) | СВ | 1903 } 1904 1905 | and Assam | 85 72 75 | | | | | 1,271 587 | 9 45 9 77 | 9 40 9 11 | o the N | I a drag | maslama | 76 36 17 53 | 30 57 14 61 | į. | | |
| | | ΕC | 1901 (1901) | | Trans | sferred p | artly to | tue E | engai | 474,034 481,247 | 4 00 | 191 | o tho N | narus | Jan. | 63 05 | 50 47 | 470 61 | | |
| | 4 | FΙ | 1902 1903 > 1904 | Bengal and Umaria | 250 256 244 245 | | | | | 481,247 476,581 468,271 505,916 | 4 18 4 19 4 05 4 01 | 1 96 2 00 1 97 1 92 | | | | 1 66 47 | 50 70 51 97 51 66 52 07 | 5 1 40G 33 | 161 42 151 16 137 59 145 77 | |
| | | | [1905] | I | | <u> </u> | | 1 | 1 | 1 | | 1 | 1 | ــــــــــــــــــــــــــــــــــــــ | 1 | | 1 | 1 | | 04 (|

APPENDIX 27-contd

Coal and wood fuel consumed by each railway (by systems) and price paid per ton during the calendar years 1901 to 1905—contd.

| | during the calendar years 1901 to 1905—contd. SOURCES OF SUP DESCRIPTION OF FUEL WITH ACTUAL QUANTITY Consumption in lbs Consu | | | | | | | | | | | | | | | | | | |
|-----------------------|--|--|---|---|----------------------------|--|--------------------------|--|---|--|--|--|--------------------------------------|---------------------------------------|---|---|--|--|--|
| | | | SOURC | ES OF S | υP | DES | CRIPT | DEMONIT | F FUE | L WIT | H ACT | PUAL Q E TON | UANT | ITY | | | | | |
| | I do | | Name | AVERAG TANCE C ED IN : | APRI | Fort | EIGN CO | DAL | Indi | AN COA | r | 7 | Тоо р | | quani redu at | hty of oed in tho rat | on the c coal, and torms of co of 1 tor | wood coal of | _ |
| | ride Ap | Calen dar year | (The name of the sources of supply is for | is recl | onod om the | | Cost p | er ton | 0 | Cost pe | er ton | Quanti | Cost po | r ton | coal | to 25 | Per | Por | Remarks |
| Number | Ry, gystom, 11de App | Jean | coal only Wood was supplied from vari ous sonrces | the pla dolivery eral ste | r from ces of to sov | ty m | In cluding freight | Ex cluding freight | Qnanti ty iu tons | In cluding freight | Ex cluding freight | ty in | In cluding freight | Ex eludiog frei _b ht | Per train milo | Per en gino mile | 1,000 froight ton miles | 1,000 gross ton miles | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| • | | | England | | | | Rs | Rs | | Rs | Rs | 4.040 | Rs | Rs | ac co | r= 00 | FC4 01 | 100.01 | |
| 5 (a) to(5) | G I P | 1901 1902 1903 1904 1905 | Bengal Singarent Umaria Nerhudda and Warora | 318 294 327 304 304 | | 303 202 329 | | 12 87 18 54 16 64 | 381,390 425,936 456,794 463,917 453,414 | 8 57 8 38 8 47 8 39 9 25 | 6 18 5 98 6 07 6 45 7 87 | 4 349 4,515 4,439 5,117 4,896 | | 2 62 3 81 3 91 3 58 3 51 | 66 73 68 43 68 91 67 43 | 57 86 58 11 59 65 60 50 59 09 | 764 21 719 69 798 03 776 00 755 75 | 198 21 193 63 206 82 205 09 200 52 | |
| 5 (g) | G L | [1901] 1902] {1903} 1904] 1905] | Bengal and Moh pani | 750 535 535 | | | | ~ | 886 1,400 1,617 1,990 2,558 | 16 00 13 28 13 62 | 2 75 3 25 3 75 | 16 14 24 27 | | | 37 71 35 03 38 30 36 13 41 73 | 34 10 | | | |
| 6 (a) to (c) | M. | (1901) (1903) (1903) (1904) (1905) | England, Bengal and Singa rem | 434 813 933 191 852 | 15 14 27 38 24 | , 125 , 4 | 32 90 31 32 | 12 50 28 49 | 94,484 97,546 112,647 130,755 156,312 | 13 \$2 10 32 10 29 10 82 10 23 | 4 01 5 25 5 12 8 95 5 15 | 94,503 108,529 96,577 59,148 42,059 | 5 74 4 97 4 97 4 81 4 18 | 5 42 4 68 4 42 4 01 3 98 | 63 66 68 64 73 02 70 78 71 95 | 58 69 | 882 19 974 72 1,069 81 946 28 874 82 | 212 76 227 03 240 40 221 48 221 69 | |
| 6 (d) to (f) | HHPORK | $ \begin{bmatrix} 1901 \\ 1902 \\ 1903 \\ 1904 \\ 1905 \end{bmatrix} $ | England, Bengal and Singa- roni | 328 241 698 148 207 | 16 18 21 21 | 1,510 1,875 1,662 2,430 2,547 | 29 00 25 35 | 12 50 *27 57 *29 17 *22 54 20 58 | 5 11 133 284 | 18 45 13 60 14 31 12 48 | 4 04 5 12 8 95 5 15 | 385 3 315 5,889 5 116 4,502 | 4 00 1 43 1 61 4 48 4 62 | 4 09 4 25 4 01 1 1 2 | 88 82 72 38 61 42 61 30 60 50 | 85 85 66 69 54 08 54 18 52 ±5 | 1,410 33 4,899 76 2 409 43 2,605 63 2,687 03 | 1,302 99 654 46 869 85 423 19 424 78 | *Including ser freight ? |
| 8 (e) & | 200 | 1901 1902 1903 1904 1905 | Singareni | 102 103 132 132 84 | | | | | 29,307 30,215 26,967 26 276 24,900 | 6 27 6 27 5 81 | 4 60 4 65 4 50 4 50 4 63 | 250 203 | 5 88 5 83 | 8 25 4 14 | 63 54 67 00 61 02 61 08 57 30 | 51 91 50 87 | 587 87 567 37 547 72 523 22 516 05 | 174 91 173 81 160 °5 158 74 154 59 | |
| (c) 8 | H G V | [1901] 1902] 1903] 1904] 1905] | Singireni | 321 841 347 347 291 | | | | | 13,851 11,442 14,610 14,809 16,636 | 7 19 6 98 10 00 9 82 8 90 | | 265 205 | 4 60 10 52 | 5 56 | 40 12 89 66 40 86 | 136 11 | 1,189 82 1,026 21 1,031 64 986 72 825 63 | 231 26 219 62 217 01 205 73 201 96 | † Includes Nowshora Durgan ranhway during the first half of 1001 ‡ of Bengal coal only § Bengal coal only § Bengal coal only Ghanahad Rs 13 62 and vid Ghanahad Rs 15 44 Bengal coal from Rs 237 to Rs 300 and khost and Dundot coal between Rs 7 and |
| 9 (a) to(5) | N W† | (1901) 1902 1903 1904 1905 | England Bengal Dandot Bhagah wala and Khost | [1808 1839 1838 1838 1838 1838 | | 11,071 7,206 3,736 11650 112,373 | †† †† | 22 27 20 61 19 00 †† †† | 194,134 245,279 258,111 370,454 431,520 | ‡16 81 § ‡‡ (a) | 5 38 | 180,521 122,323 216 097 163,151 76,336 | 5 31 | | 51 24 52 84 52 72 57 16 59 82 | 46 36 46 17 50 12 | 557 78 481 27 | 149 71 160 45 155 74 156 9(172 02 | R 13 and Khost pa- tent fuel at Rs 20 |
| 9 (%) (h) | DZPHYY | $ \begin{bmatrix} 1901 \\ 1902 \\ 1903 \\ 1901 \\ 1905 \end{bmatrix} $ | Bengal and Dandot | { | | 13 | †† | ++ | 407 1,235 2,788 2,731 2,726 | ‡‡, | §§ (6) | 97 160 192 270 132 | 5 35 | | 27 25 26 75 25 16 21 34 19 72 | 21 71 22 82 31 45 17 83 16 08 | 1,821 83 2,072 38 2,362 43 1,882 21 1,243 41 | 310 27 318 41 3495 46 335 28 301 98 | 13 ff There was no impor tation of foreign coal during 1904 and 1905 |
| 10 (a) & (b) | 0 & R | (1901) (1902) (1903) (1904) (1905) | Bengal | 528 674 595 603 603 | | | | | 92 868 98,775 108,040 119,278 131,445 | 10 39 9 38 7 76 7 46 7 83 | 2 67 2 53 2 15 2 13 2 13 | | | | 51 04 51 68 54 81 55 39 59 17 | 44 36 46 99 47 68 | 784 95 819 01 849 59 791 59 919 40 | 172 17 172 81 177 85 179 43 192 ° | |
| 11 | Л. В | 1901 1902 1903 } 1904 1905 | Bengal and Assam | 106 105 120 120 156 | ٠ | | | | 10,781 13,661 15,682 22,837 31,778 | 10 22 9 25 7 92 7 61 7 43 | | 1,627 2,715 1,918 | 1 72 1 57 1 45 | | 09 09 48 52 48 06 43 89 47 91 | 36 78 | 734 11 1,011 99 903 35 913 92 1,063 16 | 184 88 223 73 245 24 235 17 265 00 | (b) Bengal coal from |
| 12 | B & N W. | [1901] [1902] [1903] [1904] [1905] | Bengal | 228 252 250 248 250 | 27 25 25 18 18 | | C | | 58,178 71,210 87,652 97,633 97,126 | 5 59 6 11 5 61 5 51 5 55 | 3 19 3 01 2 73 2 41 2 43 | 3 823 2 766 4,733 1,147 303 | 3 95 4 22 4 28 | 4 28 | 39 33 38 09 49 95 52 62 47 86 | 141731 | 713 59 821 31 825 63 830 78 850 35 | 203 14 210 21 225 02 228 20 224 97 | III The fignres against 1901 are for second- half only those for the |

APPENDIX 27-contd.

Coal and wood fuel consumed by each railway (by systems) and price paid per ton during the calendar years 1901 to 1905—contd

| | | , - | | | | | i ing | 6166 0 | acen | uar ye | :a18. | 1901 | i | | | | | | | |
|----------|--------------------|---------------------|--|--|---|---|-------------------------------|----------------------------------|--------------------------|--|---|---|--|--|-------------------------------|---|---|--|--|---|
| | | | | SOURC | es of s | UPPLY | DLS | CRIPT | ONPUT TON O | F FULI IED AN | WIT! D COS | H ACT T PER | UAL OU TON | JANTI' | ΓY | 1 | | on the a | | |
| | | I da | Calen- | NAME (The name of | IN M | CARRILD ILES | Fore | ign co | Δt | IND | IAN CO | AL | V | TOOD | | anan | titi of | coal, and erms of c of one to 21 tons o | boow | |
| 7 | | ride App | dar year | the sour ces of supply is for coal | from the | stance 1s ed outlier e sources | | Cost p | er ten. | i | Cost p | or ton | | Cost p | er ton | | W | 004) | | Remarks |
| ナ | Number | Ry systom, | | only Wood was supplied from vari ous sources) | the plac livery to stora Coal | y or from es of de several ges) | tons | In eluding freight | Ex cluding freight | Quan tity in tons | In eluding freight | Ex cluding freight | Quan tity in tons | In cluding freight | Ex eludios freight | P.r train mile | Per on gino mile | Per 1,000 freight iton miles | Per 1,000 groar tyn n_iles | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | 13 | В | (1901) 1902 (1903) 1904 (1905) | Bengal | * | { | | Rs | Rs | 2,789 2,496 3,023 3,474 3,652 | Rs 15 84 12 33 11 22 10 60 10 67 | Rs 2 75 | | Rs | Rs | 49 97 40 16 31 35 30 14 30 52 | 41 10 33 92 29 83 28 05 28 78 | | | "Prices are given at the place of delivery which is the place of sterage |
| | 14 | BGJP | [1901] [1902] [1903] [1904] [1905] | Fng land, Bengal and Palana | 61 52 54 53 52 | | 254 1,494 813 2 5 | 23 23 23 24 23 23 23 23 | | 7,531 | 18 69 18 00 15 44 14 13 14 07 | | 79 74 80 86 83 | 10 87 8 88 7 73 7 50 7 50 | | 31 19 29 77 80 26 31 20 32 05 | 28 37 1 | 737 67 913 30 800 61 774 69 816 07 | 183 69 174 64 170 38 173 11 179 85 | |
| ? | 15 (a) | в | $ \begin{bmatrix} 1901 \\ 1902 \\ 1903 \\ 1904 \\ 1905 \end{bmatrix} $ | Eng land, Bengal and Burma | $ \begin{cases} 131 \\ 120 \\ 109 \\ 128 \\ 150 \end{cases} $ | | 3,114 968 599 348 | 26 75 21 36 21 22 21 21 | | 78,634 | 14 88 12 57 10 63 10 47 10 33 | | 43,302 55,474 66,406 52,977 28,903 | 3 53 3 95 5 81 4 54 5 06 | | 54 67 52 32 51 93 49 93 50 38 | 42 51 42 70 41 42 | 1,013 12 972 47 1,087 55 981 69 959 94 | 2 55 40 2 58 16 240 27 | |
| ħ | 16 | D | 1901 1902 1903 1904 1905 | Bengal | { 118 | | Informa | tien n | ot ava | 382 100 393 501 1lable | 5 31 5 62 4 06 5 50 | 3 00 2 25 | | | | 56 41 61 37 56 55 71 80 | 50 41 61 37 56 55 | | | |
| | 17 | D S | $ \begin{cases} 1901 \\ 1902 \\ 1903 \\ 1904 \\ 1905 \end{cases} $ | Assam | e | { | | | | 4,834 4,616 3,983 4,838 5,012 | 8 50 8 50 8 50 8 50 8 50 | 8 50 8 50 8 50 8 50 | 21 26 12 10 4 | 2 36 2 08 2 56 1 71 2 22 | 1 23 2 00 1 71 2 22 | 45 54 51 64 13 67 51 68 49 79 | 30 08 36 75 29 46 33 39 32 06 | | | |
| • | 18 | J B | (1901) (1902) (1903) (1904) (1905) | Bengul and Palana | 665 467 358 314 651 | | | | | 27,832 | 11 59 11 98 10 84 11 27 | 4 47 5 55 7 36 6 13 5 30 | 2 791 4,981 120 152 155 | 4 38 3 62 3 90 | 3 62 | 42 38 47 63 52 50 59 31 51 51 | 149 61 | 928 57 1,060 85 1,048 95 1,137 75 876 54 | 1267 31 | } / |
| | 19 | M B W | ₹ 1903 } | England and Bengal | 336 7386 29 7386 415 | | 2 | 34 80 | 26 80 | 2 125 1,622 1,541 1,777 1,796 | 25 67 23 74 21 20 17 51 18 34 | 17 00 15 74 12 35 11 04 16 25 | 22 21 30 53 62 | 13 06 7 50 10 66 8 27 4 77 | 7 50 10 66 8 27 4 77 | 28 69 21 25 24 27 24 26 32 17 | 27 99 23 63 23 32 23 06 31 55 | | | † This distance is by rul, the distance by sea is 637 miles |
| | 2 (g) to (m) | R M | \[\begin{pmatrix} 1901 \\ 1902 \\ 1903 \\ 1904 \\ 1905 \end{pmatrix} \] | Eng- land, Bengal and Singa rem | 720 722 725 793 780 | •• | 260 | | | 118,778 113,360 95,725 109,751 134,200 | 18 23 16 57 15 79 14 39 14 15 | 6 84 5 74 6 03 4 20 4 03 | 2,900 2,183 2,615 2,481 2,055 | 5 00 5 00 5 00 5 00 5 00 | 5 00 5 00 5 00 5 00 | 39 17 39 84 37 60 38 08 40 27 | 34 49 34 62 31 93 32 62 32 74 | 415 75 447 79 174 48 496 38 485 11 | 160 57 164 80 161 48 169 93 171 85 | |
| | 20 (a) & (b) | R & K | (1901) 1902 1903 1904 1905 | Bengal | 677 677 677 606 605 | | | | | 1,106 2,068 1,792 1 719 8,942 | 14 65 13 52 11 46 13 63 11 03 | 351 256 257 300 285 | 16,302 17,503 17,105 10,673 8,923 | 3 24 | 3 47 | 28 26 32 00 30 91 32 25 43 29 | 22 93 25 98 25 25 26 28 34 79 | 614 42 631 90 613 37 63, 13 794 75 | 172 87 188 86 173 58 183 90 237 60 | , |
| 1 | 20 (c) | P W L | $ \begin{bmatrix} 1901 \\ 1902 \\ 1903 \\ 1904 \\ 1905 \end{bmatrix} $ | Bengal | 655 | | | | | | 11 03 | 2 35 | 1,440 1,226 1,400 1,303 | | l | 21 31 20 39 | 19 96 19 41 | | | |
| | 21 | S | $ \begin{bmatrix} 1901 \\ 1902 \\ 1903 \\ 1904 \\ 1905 \end{bmatrix} $ | Bengal and Singa reni. | 60 63 82 83 81 | ~ | | | | 55,120 53,273 60 096 68,680 72,314 | 13:25 13:11 12:18 11:40 11:39 | | 1,343 10,732 10,516 11,295 9,477 | 4 50 5 01 4 91 4 99 5 01 | 14 | 34 59 36 44 37 71 38 21 36 90 | 31 66 33 19 31 23 31 79 33 74 | 8°3 48 8°2 47 774 08 849 61 802 70 | 201 19 209 97 205 48 213 52 200 51 | l |

APPENDIX 27—concld.

Coal and wood fuel consumed by each railway (by systems) and price paid per ton during the calendar years 1901 to 1905—concld

| | | | SOURC | ES OF S | UPPLY | | DESC | RIPT QUA | ON OF NTITY COST | FUEL CONSU PER 1 | WITI IMED ON | H ACTU AND | 'AL | | (Cule | ulated | rion in i | etual | |
|------------|---------------------|--|---|---|--|-----------------------------|--------------------------|--------------------------|--|--|--------------------------------------|--|--------------------------------------|--------------------------------------|--|---|--|--|--|
| | r d | ~ - | (The name of | INM | | | EIGN CO | Δī | Indi | VM GO | ır. | 77 | 700р | | quunt | aty of one | terms of | rood ooal | |
| | de Ap | Calon dar year | the sour ces of supply is | reekone from the | slance is ed either o source | i | Cost p | er ton | | Cost pe | er ton | | Cost p | er ton | | of conl of t | to 23 tor | ıs | Remarks |
| Number | Ry system, vide App | | for coal only Wood was | from the | oply or e places vory to toragos) | Qnın tity in tons | In cluding freight | Ex cluding freight | Qnan tity in tons | In cluding freight | Ex cluding freight | Quan fify in tons | In cluding freight | Tx cluding freight | Per train mile | Per on gine mile | Per 1,000 freight ton milos | Per 1,000 gross ton miles | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16′ | 17 | 18 | '19 | 20 |
| - | | | | | | | Rs | Rs | | Rs | Rs | | Rs | Rs | | | | | |
| 22 a) | S M | 1902 1903 1904 | England Singa reni and Bengal | $ \left\{ \begin{array}{c} 481 \\ 402 \\ 351 \\ 316 \end{array} \right. $ | 92 96 74 72 82 | 133 | | 18 88 | 35 582 88,506 38,492 40,327 43,125 | 13 38 13 67 14 25 1 1 99 18 68 | 5 00 5 25 8 10 8 30 8 95 | 49,588 62,422 65,629 69,209 70,137 | 5 70 5 64 5 44 5 32 5 86 | 4 08 4 08 4 19 4 03 4 00 | 38 41 39 11 40 71 37 79 37 04 | 37 01 34 71 36 27 33 28 32 82 | 818 19 804 00 803 88 710 39 718 13 | 217 36 215 09 219 75 201 82 200 65 | |
| 2 2)] | W P | {1901} {1902} | Eng land | * | | { 18 Ine | 19 00 luded | with | the Sout | horn | Mahr | 4,693 atta rail | 4 62 way | 4 50 | 46 42 | 45 48 | 1,160 83 | 296 80 | * Prices are given at the place of de livery which is the place of storage |
| 23 | o D | (1901) 1902 1903 } 1901 1905 | Bengal, Walora & Moh pani | \$26 875 977 1,087 | | | | | 862 893 863 701 762 | 25 30 18 23 18 71 19 00 19 00 | 4 62 4 65 2 65 2 25 2 25 | 3 3 4 11 | 9 30 4 36 7 00 | 7 00 | 37 19 38 50 37 37 30 32 31 91 | 128 31 | 881 31 942 41 1,438 32 1,551 44 1,117 88 | 180 15 192 23 207 76 185 59 167 86 | Product Brouge |
| :5 | B L. | \[\begin{align*} \begin{align*} 1901 \\ 1903 \\ 1904 \\ 1905 \end{align*} | Singr reni | 441 | | | | | 77 159 | 14 50 | 5 50 | 677 655 566 790 742 | 4 19 5 00 4 97 6 19 6 19 | 6 19 | 01 26 31 90 40 75 91 89 101 8- | 39 32 | 1,782 86 | 661 00 | |
| 27 | c | 1905 | | | } | | | | 123 | 17 25 | | 2 | 21 50 | | 64 16 | 64 16 | | | |
| 80 | K S | \[\begin{align*} | Bengal | 1,021 1,018 1,016 | | | | | 289 5,166 5,189 | 20 00 21 00 17 50 | 2 25 | 114 43 | 12 19 | | 46 13 69 16 71 18 | 59 97 | 7, ⁰ 84 [.] 93 6,500 13 | 1,18a·2u 942 22 | |
| 3 2 | B P | [1901] 1902] 1903 } 1904 1905] | Bonga1 | 126 157 157 157 | | | | | 963 979 960 1,083 1,128 | 6 25 5 39 5 36 4 44 4 33 | 2 92 | j | | | 25 23 25 20 25 27 25 27 25 92 28 53 | 23 92 | | | |
| 33 | T B | 1901 1902 1903 1904 1905 | Assam | { | | | | | 382 398 523 580 643 | 13 49 13 50 11 81 13 .0 13 50 | 1 | | | | 26 23 26 76 35 40 38 52 38 85 | | | | |
| 35 | D | (1901) 1902 1903 1904 1905 | Bengal | 401 | | | | | 3,052 3,422 4,666 4,697 5,025 | 15 26 15 30 13 98 10 09 7 84 | 3 12 2 50 | | - | | 38 38 40 81 53 23 41 22 41 68 | 40.81 | l | | |
| 38 | J | 1901 1902 1903 1901 1905 | 1 | 0 11 12 | . | | | | 778 890 864 | 13 61 | 1 | | | | 33 15 34 61 35 90 | . | | | t Excluding the Bull tiarpore Behar, Ban ghat Krishingar, Thiton Duylinzak, Howrah Amta |
| | | [1901] 1902] 1903] | | | | 13,248 21,469 †17,690 | | | 1,956,60 2,091,99 2,203,88 | 21 | | 409,15 402,44 †497,18 | 022 | | | | | | Light railways. |
| | To- | 1904 | | | | 117,433 | 2 | | 1 2,447,84 2,668 42 | 1 | | 1395,29 | 77 | | | | | | ‡ Excluding th Bukhtirpore-Behar Thaton Duyi nxu i! Howah Amta un How ruh Sheakhal Light rallways |
| | | [1905] | | | | § 18,235 | c | | 2,668 42 \$ | * | | 253 09 § | | | | * | | | S Excluding the Dec ghur and Baraset Basirhat, railways an the railways named is the remark marked with \$\frac{1}{2}\$ |

APPENDIX 28.

Coal mined in India during the calendar years 1885 to 1905

| | - | QUANTITA MINED IN EACH PROVINCE | | | | | | | | | | | | | | QUANTITY OF INDIAN COAL EX ndian PORTED BY SEA | | |
|----------|-------|---------------------------------|--------------------------|--------------------|------------------|--------------------------|------------------|-------------|-----------------|------------------------------------|------------|---------------|------------------------|----------------------|--|--|-------------------------------|-----------------------|
| <i>F</i> | YFARS | Bengal | Central Prov 10008 | Assam | Central India | Nizam's terri tory | Punjab | Kash mir | Balu olustan | R13 puta na (B14a ner) | Mad ras | Bur ma | Total | ooal cor sumed by | Fo Indian ports excluding Burma | Fo ports ontside India includ ing Burma | From United King dom | From other ooun tries |
| | 1895 | Tops 1,123,700 | Tons 119,116 | Tons 13,707 | Tons 7,698 | Tons. | Tons | Tons | Tons | Tons | Tons | Tons | Tons 1,204,221 | Tons 485,716 | Tons | Tons 500 | Tons 778,643 | Tons 40,659 |
| | 1686 | 1,186,802 | 117,287 | 70,859 | 18,539 | | | | t | | | | 1,388,487 | 470, 075 | | 199 | 698,492 | 44,652 |
| | 1887 | 1,319,090 | 125,981 | 89,802 | 15,197 | 3,259 | 7,523 | | 411 | | | | 1,564,063 | 488,774 | | 815 | 786,149 | 48,01 0 |
| | 1633 | 1,380,594 | 157,768 | 101,528 | 41,580 | 13,382 | 11,249 | | 3,802 | | | | 1,708,903 | 551,770 | ailable | 15,796 | 785,776 | 20,463 |
| ; | 1889 | 1,5\$1,3ა6 | 141,465 | 116,676 | 52,956 | 59,616 | 22,835 | | 8,238 | | | | 1,916,172 | 715,240 | Information 18 not available | 89,972 | 717,024 | 52,180 |
| 7 | 1590 | 1,026,245 | 137,02 | 115,703 | 77,612 | 125,496 | 40,677 | | 15,541 | | | | 2,168,521 | 654,829 | Informatio | 26,336 | 631,725 | 21,8.7 |
| | 1691 | 1,747,122 | 141,736 | 154,209 | 69,741 | 111,669 | 60,714 | | 10,368 | | 20 | | 2,828,577 | 797,142 | | 4,515 | 726,069 | 17,344 |
| ۲ | 1692 | 1,020,000 | 132,005 | 164,0.0 | 88 6 23 | 119,601 | 66,352 | | 13,254 | | 61 | 3,670 | 2,537,696 | 885,492 | | 15,725 | 628,374 | 23,123 |
| | 1693 | 1,902,866 | 135,118 | 164,420 | 91,318 | 157,121 | 77,291 | | 20,091 | | 502 | 9, 938 | 2,562,001 | 924,900 | | 52,302 | 616,819 | 18,066 |
| | 1894 | 2,037,931 | 140,495 | 169,118 | 182,637 | 210,525 | 66 467 | | 21,753 | | 1,837 | 12,111 | 2,823,907 | 1,062,748 | 143,813 | 154,982 | 675,043 | 57,112 |
| | 1895 | 2,716,155 | 122,776 | 172,717 | 118,479 | 292,915 | 72,493 | | 25,458 | | 1,737 | 17,289 | 3,510,019 | 1,110,621 | 162,276 | 211,407 | 773,675 | 15,458 |
| ١, | -1696 | 3,037,9*0 | 141,195 | 177,259 | 115,3°6 | 262 631 | 79,017 | | 26,257 | | | 22,993 | 3,863,698 | 1,182,051 | 339,812 | 191,030 | 52 4,4 20 | 93,212 |
| | 1897 | 3,142,497 | 131,627 | 185,533 | 121,778 | 365,550 | 92,792 | | 12,043 | | | 11,472 | 1,066,291 | 1,828,120 | 731,742 | 390,979 | 210,257 | 47,016 |
| | 1898 | 3,622,090 | 119,709 | 200,829 | 181,726 | 391,622 | 85,862 | | 13,372 | 511 | | 6,975 | 4,6(8,196 | 1,118,211 | 737,689 | 190,290 | 297,076 | 34,200 |
| | 1899 | 1,035,º65 | , | 225,623 | | | 81,835 | | 15,822 | 4,219 | | | 5,093,260 6,118,692 | 1,560,771 | 672,311 | | 406,451 | 112,064 |
| | 1900 | 4,978,102 5,487,585 | | 216,736 251,100 | | | 71,083 67,730 | | 23,281 | 9,250 12,091 | | | 6,635,727 | 1,859,061 | 1,030,709 | | 91,710 112,519 | 43,939 79,108 |
| } | 1902 | 6,259,236 | 196,981 | 221,096 | 171,538 | 155,424 | 55,373 | 1,060 | 33,839 | 16,503 | | 13,302 | 7,121,402 | 2,091,702 | 974,602 | 729,316 | 198,574 | 20,773 |
| • | 1903 | 6,061,212 | 159,154 | 230,328 | 193,277 | 362,733 | 43,704 | 999 | 46,909 | 21,764 | | 9,706 | 7,438,386 | 2 203,889 | 1,235,318 | 723 878 | 133,711 | 30,429 |
| | 1904 | 7,063,680 | | | | 1 | 45,594 62 622 | 270 | 49,867 | | | 1,105 | | 2,417,811 | 1,447,867 | <u> </u> | | 79,169 |
| | 1005 | 7,212,755 | 137,200 | 21 1,000 | 157,701 | 1 203,431 | 1 02 022 | <u> </u> | * Infor | · | not av | arlablo | } | 1 -,500,722 | 1,635,268 | \ | 121,100 | 50,024 |

APPENDIX 29.

State Collieries worked by Railway Companies or by the State.

| | | | Sinte C | | | | | | | | | | T | |
|----------------------|--------------------------|---------------|--------------------------|-----------|-----------|-----------|----------------|--------------------|----------------|--------------------|---------|------------------------|-------|---|
| 7 | | | Kurhuri And Serami | . 1 | van V | DRĀ | Dan | рот | Кн | ost | | NPUR 98FD ACTORY | | Remarks |
| PART | rioulars | | 1904 | 1905 | 1904 | 1905 | 1901 | 1905 | 1901 | 1905 | 1901 | 1905 | | |
| Name of c | owner | | East In | | Sta | to | North State | Western railway | North State | Wostorn railway | | Wes n State | | |
| Capital or | ıtla y | Rs | 21,30,572 | 22,34,832 | 14 15,597 | 13,24,899 | 1,94,753 | 2,13,486 | 3,25,469 | 3,05,81 | 85,009 | 2 80,7 | - 1 | East Indian railuay — Capital outlay is approximate and is made up of the |
| 1 | Large coal | Tons | 469,425 | 5,12,150 | 87,052 | 93,306 | 19,971 | 28,621 | 4,31 | 1,95 | 9 | | | Rs 3,05 154, which represents half the original co t of |
| | Small coal | Tons | 33,736 | 19,226 | 25,267 | 29,709 | 67 4 | 21 | 5 45 | 5 29 | 16 | | | buildings, plant, etc., paid to the I ast Indian Railway Com pany on valuation, and the capital ex- penditure incurred |
| Output < | Slaok ocal. | Tone | 82,303 | 86,628 | | | 10,35 | 8 14,51 | 33,80 | 28,61 | 35 | | | from 1st January 1850 |
| | _Total | Tons | 585,464 | 6,18,004 | 1,12,319 | 1,03 01 | 5 31,00 | 3 43,16 | 2 38,5 | 74 34,1 | 40 5,6 | ə9 6 , | ,162 | Warora —The decrease in the capital onlay in 1905 was due to certain credits, ow ing to a vento back under stores, manu factures and other heads |
| Quantıt y | bonser | Tons | 597,203 | 6,27,020 | 1,12,31 | 1,22 84 | 31,00 | 3 43,16 | 38,5 | 74 31,1 | 40 5,6 | 559 6 | 3,162 | Khost —The decrease in the capital outlay in 1905 was due to heavy issues of stores from reserve stock. |
| Gross es | rnings | Rs | 10,61,310 | 11,20,90 | 5,50,70 | 2 5,67,54 | 2 01,0 | 18 3,25,4 | 3,42,7 | 3,01,4 | 114 56, | 590 61 | 8,426 | Haranpur—The de- orease in the capital ontlay in 1905 was dno to the small charge for capital our lay being exceeded by annual deprociation |
| Workin | g oxpenses | Rs | 10,61,310 | 11,40,80 | 9,78,69 | 3,80,4 | 2,27,5 | 3,21,8 | 43 3,06, | 682 2,93, | 050 63, | 775 6 | 7,075 | |
| Not ear | nings or los | s Rs | | | 1,77,0 | 1,87,0 | 69 -26,5 | 501 8,3 | 36, | 328 8, | 394 -7 | 185 | 1,951 | ı |
| Porcont | age on capı | tal | | | 12 | 50 14 | 12 | 1 | 66 1 | 1 16 | 2-75 | | 16 | 7 |
| Average emplo | enumber of byed daily | person | .s 8,28 | n 8,3 | 70 1,0 | 140 | 937 1, | 229 1, | 360 | 705 | 719 | 14 | | 7 |
| Numbe per p | r of tons orson emplo | raiso oyod | đ , | 70 | 74 | 108 | 125 | 25 | 32 | 55 | 48 | 1 | | 2 |
| Numbe | or of persou | s kıllo | 1 | 2 | 1 | 2 / | | | 1 | 3 | 5 | | | |
| Numb Jure | or of pers | sous 1 | n- | 27 | 10 | 3 | 4 | 7 | d, | | 1 | | | |

Accidents and casualties to trains on railways treated as one System during the Calendar years 1904 and 1905

| | | | | | | C | ınd 1 | 1905 | | | | | | | | | | |
|--|---|---------------------------------------|-------|-----------|-----------|------------------------|---|---------|--------------------------------------|-----------|------|------|-------|------|------|--------------|-------|------|
| 7 | repor Loc Gover: under | dents tod to eal nmonts section f tho | 1] | ther | T | otal | (Fig | DICS II | PASSE THERS Litalics Sengor | | | | ner o | F | | Totai ola | OF AL | L |
| Description | Indian Railwaya Act, IX of 1890 16, serious accidents | | | accidents | | number of nocidents | | Killod | | Injured | | led | Inji | ıred | Kıll | eđ | Injr | ored |
| | 1901 | 1905 | 1904 | 1905 | 1904 | 1905 | 1901 | 1905 | 1901 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 |
| 1 Collisions between pas- senger trains or parts of passengor trains | 4 | 5 | 2 | 4 | 6 | 9 | | | 3 | 30 | | | 1 | 5 | | | 4 | 35 |
| 2 Collisions between passenger trains and goods or mineral trains, engines and vehicles standing foul of the lino | 1 | 20 | 59 | 31 | 83 | 51 | 7 | 1 | 40 | 63 | 3 | 1 | 11 | 24 | 10 | 2 | 51 | 87 |
| 3 Collisions between goods trains or parts of goods trains | 11 | 11 | 45 | 57 | 56 | 63 | | 1 | | 4 | 1 | 1 | 9 | 36 | 1 | 2 | 9 | 40 |
| 4 Collisions between light en gines | 4 | 3 | 33 | 32 | 42 | 35 | | | | | | 2 | 4 | 5 | | 2 | 4 | 5 |
| 5 Passenger trains or parts of passenger trains leaving the rails | | 74 | 47 | 18 | 129 | 156 | | | 1 | 5 | | | | 10 | | | 1 | 15 |
| 6 Goods trains or parts of goods trains, engines, etc, learing the rails | 9 | 7 | 377 | 365 | 386 | 872 | 1 | | | | 7 | | 8 | 5 | 8 | | 8 | 5 |
| 7 Trains or engines trivelling in the wron, direction through points | 11 | 9 | 118 | 83 | 129 | 97 | | | 11 | 17 | 2 | | 10 | G | 2 | | 21 | 23 |
| 8 Trains running into stations or sidings attoo high a speed | 4 | 5 | 24 | 27 | 28 | 32 | | | | 7 | 2 | | 1 | 3 | 2 | | 1 | 10 |
| 9 Trains running over cattle on the line | 17 | 14 | 8,248 | 3,274 | 3,265 | 3,288 | | | 1 | G | 2 | 1 | 15 | 2 | 2 | 1 | 16 | 8 |
| 10 Trains running over ob- structions on the line | 18 | 15 | 139 | 165 | 157 | 180 | $\begin{cases} 1 \\ \vdots \end{cases}$ | 1 | 1 | } 5 | 1 | 2 | 1 | 1 | 3 | 6 | 9 | 6 |
| 11 Trains ranning through gates at level crossings | 3 | 1 | 38 | 27 | 41 | 28 | (1 | 3 | 7 | נ | | | | | | | ' | |
| 12 The bursting of boilers of engines | | | 2 | 2 | 2 | 2 | | | | | | | | | | | | |
| 12 (a) The bursting of tubes, cto, of engines | | 1 | 307 | 298 | 307 | 299 | | | | | | | | | | | | |
| 13 The failure of machinery, springs, otc., of engines | 4 | 8 | 976 | 613 | 910 | 616 | | | | | | 1 | 2 | 1 | | 1 | 2 | 1 |
| 14 The failure of tyres | | | 13 | 13 | 13 | 13 | | | | | | | | | | | | |
| 15 Ditto of wheels | 1 | | 14 | 7 | 15 | 7 | " | | | | | | | | } | | | |
| 16 Ditto of axles | 16 | 10 | 51 | 59 | 67 | 63 | 1 | | 8 | | | | | | 1 | | 3 | |
| 17 Ditto of brake ap paratus | 1 | | 7 | 4 | 8 | 1 | | | | | | | | | | | | |
| 18 Ditto of couplings | 5 | 2 | 370 | 330 | 875 | 332 | | | 2 | | | | 1 | 5 | | | 3 | 5 |
| 79 Ditto of tunnels, bridges, via ducts, cul vorts, oto | 2 | | | 4 | 2 | 4 | | | | | | | | | , | | | |
| 20 Broken rails 21 The flooding of portions | | 1 | 121 | 158 | 121 | 159 | | | • | | | | | 1 | | | | 1 |
| of permanent way | 20 | 39 | 75 | 106 | จร | 145 | | | | | | | | | | | | |
| 2? Slips in onffings or em bankments | 21 | 7 | 39 | ٢5 | 60 | 62 | 1 | | 14 | | 2 | 2 | | 1 | 3 | 2 | 14 | 1 |
| 23 Fire in trains 24 Fire at stations, or involv | 8 | 2 | 169 | 200 | 172 | 211 | | 1 | 1 | 1 | | | | | | 1 | 1 | 1 |
| ing injury to bridges or viaduets | 6 | 2 | 48 | 57 | 54 | 50 | 2 | 1 | 1 (7 | | د | | 2 | 1 | 2 | 1 | 3 | 1 |
| 25 Other accidents | 34 | 18 | 515 | 605 | 549 | 623 | 3 | | 6 | } 17 | 3 | 5 | 38 | 9 | 6 | 5 | 51 | 26 |
| Тотаь | 300 | 219 | 6,805 | 6,874 | 7,105 | 7,123 | { 11 6 | 3 5 | 83 15 | 140 15 | 23 | 15 | 103 | 115 | 40 | 23 | 201 | 270 |

APPEN

Numerical return of servants of all races employed on each railway system (open lines only) and

| Number | | | | Number | OF SERV | ANTS EMPI | OYED | | | |
|--------------|------------------------|--|-----------------|------------|------------------|--------------|------------------|------------------|------------------|-----------------|
| N | UMBER | 7 | Furop | oans | Lnras | inns | Natr | ves | Tota | ı |
| Main head | Sub head | RAILWAY SYSTEM | 1901 Revised | 1905 | 1904. Rovised | 1905 | 1901, Revised | 1905 | 1904, Revised | 1905 |
| | | Bengal Nagpur | 391 | 417 | 612 | 754 | 21,842 | 23,757 | 22,815 | 21,958 |
| 2 | (a) to (f) & (n) & (o) | Bombay, Bareda and Central India | 233 | 237 | 268 | 271 | 15,212 | 15,783 | 15,718 | 16,291 |
| | (11) 12 (0) | | | 333 | | 405 | 22 691 | 26,757 | 23,425 | 27,495 |
| 3 | | Eastern Bengal State East Indian • | 304 1,447 | 1,506 | 430 902 | 1,026 | 70,057 | 76,497 | 72,406 | 79,029 |
| | | | | 1 100 | 000 | 000 | 60 100 | G5 G17 | 62.000 | ea mio |
| 5 | | Greet Indian Peninsula | 1,017 | 1,103 | 983 | 998 | 60,193 | 65,617 | 62,223 | 67,718 |
| 6 | | Madras | 278 81 | 269 72 | 1,586 355 | 1,616 382 | 23,353 7,403 | 21,886 7,634 | 25,217 7,813 | 26.270 8,088 |
| 8 | 1 | Nizam s Guaranteed State | 870 | 888 | 662 | 718 | 57,418 | 61,660 | 5950 | 63,266 |
| 9 10 | | North Western State Ondh and Robilkhand State | 283 | 317 | 203 | 359 | 20 419 | 21,273 | 20,995 | 21,949 |
| 11 | | Assam Bengal | 81 | 85 | 101 | 95 | 5,556 | 5,771 | 5,741 | 5,954 |
| 12 | İ | Bengal and North Western | 165 | 166 | 1 | 195 | 18,405 | 20,023 | 18,769 | 20,333 |
| 13 | İ | Bengal Doears | 5 | 4 | 6 | 4 | 874 | 1,170 | 885 | 1,178 |
| 14 | | Bharnagar Gendal Junagad Porbandar | 11 | 9 | 26 | 30 | 2,663 | 2,651 | 2,700 | 2,720 |
| 15 | | Burma | 207 | 209 | C34 | 616 | 13,358 | 13,673 | 11,229 | 14,498 |
| 16 | , | Deoghur • | | | 1 | 1 | 60 | 66 | 1 | 67 |
| 17 | | Dibra Sadiya | 9 | 9 | | | 967 | 983 | " | 992 |
| 18 | | Jodhpur Bikaner | 14 | 11 | 1 | 6 | 1 | 8,515 | | S,53 2 |
| 19 2 | (g) to (m) | Morvi Rajpntana Malwa | 439 | 1 444 | i | 2 489 | 1 | 28,072 | | 391 29,005 |
| | | | } | | | | | | | |
| 20 | | Rohilkund and Kumaen | 23 | 27 | | 19 | 1 | 3,450 | | 3,496 |
| 21 | | South Indian | 157 186 | 157 188 | 1 | 748 422 | i | 15,028 15,003 | | 15,933 |
| 22 23 | | Southern Mahratta Udaipur Chitor | 2 | 2 | j . | 422 | 356 | 363 | 1 | 15,613 370 |
| | | | | | | | | | | |
| 24 | | Barasot Basarhat Light | | | | 1 | 1 | 169 | 1 | 170 |
| 25 | | Barsı Light Rul http://www.Rober Light | 1 | 2 | i | 4 | 184 | 178 | ļ | 184 |
| 26 27 | | Bul httarporo Behar Light Cutch | 1 | 1 | 1 | | 102 | 55 | • | 112 |
| 30 | | Kalka Simla | 16 | 16 | 1 | | 317 | 312 | 1 | 329 |
| 82 | | Tamkeshwar Magra Light | 1 | | 1 | 1 | } | 225 | | 220 |
| 83 | | Tezpore Balipara Light | 2 | 2 | l . | 2 | 1 | 188 | | 199 |
| 85 | | Darjeeling Himalayan | 18 | 24 | 14 | 10 | 987 | 868 | 1,019 | 899 |
| 36 | | Howrah Amta Light | 4 | 1 | 5 1 |] 1 | 359 | 370 | 364 | 876 |
| 87 | 1 | Howrah Sheakhala Li _o ht | |] | | | 90 | } | 1 | 104 |
| 38 | | Jorhat | 1 |] 1 | | | 247 | 214 | 218 | 215 |
| , | | ε. | | | | | | | | |
| | | Total | 6,280 | 6,535 | 8,749 | 9,175 | 404,143 | 436,348 | 419,172 | 452,058 |

DIX 31.
the amounts deposited by them in the Provident Fund at the close of the Calendar year 1905

| | | Fund | IN PROVIDENT | OUNT DEPOSITE | A11 | |
|---|-----------------------------------|-------------------------------|----------------------|---------------|----------------|------------|
| Remarks | 1905 | o 31st December | nt at oredit on th | Amou | depositors | Number of |
| | Total to depositors' credit | Bonus givon by tho Railway | Compulsory | Voluntary | Compulsory | Voluntary. |
| | Rs | Rs | Rs | Rs | | |
| | 19,04,795 | 7,41,426 | 10,17,338 | 1,43,031 | 3,801 | 400 |
| Excludes the Provident Fund transactions Codbra Rutlam Nagda railway which are in with those of the Rajputana Malwa railway | 36,21,642 | 16,18,534 | 20,03,108 | | 2,921 | |
| | 24,58,544 | 11,55,265 | 12,77,167 | 26,112 | 5 ,1 62 | 150 |
| Amounts under voluntary and compulsory of and bonus given by the rulway are not avail | 1,83,85,230 | | | • | 10,108 | 6,823 |
| The bonus given by the railway is included amount at the credit of voluntary and completeness. | 95,41,071 | | 95,40,124 | 947 | 7,793 | 3 |
| 40-20-20-20-20-20-20-20-20-20-20-20-20-20 | _82,52,807 | 13,96,788 | 17,31,719 | 1,24,300 | 6,099 | 101 |
| | 10,38,912 | 4,87,891 | 5,51,048 | | 1,407 | |
| <u>.</u> | 62,47,737 | 29,05,735 | 32,50,164 | 91,838 | 7,996 | 433 |
| • | 16,85,760 | 7,58,951 | 8,97,811 | 26,995 | 8,219 | 131 |
| • | 3,76,866 | 1,36,551 | 2,40,315 | | 1,112 | ** |
| | 16,15,272 | 7,50,722 | 8,02,610 | 61,940 | 2,909 | 9 |
| | 46,119 | 20,104 | 26,015 | , | 148 | |
| | 3,60,778 | 1,37,814 | 1,80,705 | 37,259 | 480 | 153 |
| | 15,40,483 | 6,80,061 | 8,60,422 | • | 2,931 | |
| | 1,64,008 | 73,673 | 82,882 | 7,953 | 356 | 84 |
| * Information not available owing to destru records by fire | * | n | * | 9 | | * |
| | 2,83, 257 | 1,29,491 | 1,53,647 | 119 | 450 | 1 |
| | 17,76,339 | 6,30,851 | 11,40,615 | 4,873 | 3,208 | 14 |
| | 18,61,888 | 6,18 840 | 12,43,048 | | 3,549 | : |
| | 9,415 | 2,920 | 6,495 | | 32 | |
| | 470 | 209 | 262 | | 14 | |
| | | - | | | , | |
| | 1,754 | 797 | 997 | • | 15 | X. |
| | • | | | | | |
| | 1,96,795 | 69,114 | - 1,27,681 | | 128 | |
| | 14,8ə1 | 4,692 | 10,159 | | 85 | |
| | 3,126 | 1,107 | 2,019 | | 18 | |
| | 11,123 | 8,512 | 6,533 | 1,078 | 26 | 10 |
| ð | | | | | | |
| | 5,13,49,072 | 1,23,29,013 | 2,51,57,384 | 5,28 445 | 63,278 | 8,262 |

102 APPENDIX 32.

Number of men enrolled in Railway Volunteer Coips on the 31st December 1905

| | | l | | ENR | OLLLD S' | TRENGTI | ī | | | |
|---------------|------------------------------|---|----------|----------------------------------|----------------|--------------------|----------------------------------|--|--|---------|
| Ν÷ | IMBER | | F | FFICIENTS | | | of volun | Total number of Curopo in | g _a , | |
| Main head. | Sub- head | Corps | Officors | Non Com missioned officers | Volun teors | Non- efficients | teers of all nation alites | nnd Pnrasian servants on open | Sergoant Instruc tors fur nished by the Army | Remarks |
| 1 | | Bengal Nagpur | 29 | 155 | 1,003 | 14 | 1,201 | 1,201 | 10 | |
| 2 | (a) to (f) & (n) & (o) | Bombay, Baroda and Central Inda— First Battalion, Bombay, Baroda and Central India Railuay Volunteer Rifles | 16 | 63 | ,513 | 8 | 600 | 508 | 5 | |
| 3 | | Eastern Bengal State | 21 | 93 | 543 | 8 | 670 | 738 | 4. | |
| 4 | | East Indian | 65 | 164 | 1,891 | 18 | 2,141 | 2,532 | 18 | |
| 5 | | Great Indian Pennisnla— First Battalion, Great Indian Pen mula Railway Volunteer Ristes | 49 | 182 | 1,234 | 21 | 1,480 | 2,101 | 13 | |
| 6 | | Madras | 45 | 191 | 1,227 | 30 | 1,193 | 1,884 | 12 | |
| 8 | | Nizam s Guaranteed State— Hyderabad Volunteer Rifles | 8 | 30 | 187 | 14 | 239 | 453 | 3 | |
| 9 | | North Western State | 41 | 133 | 1,061 | 33 | 1,271 | 1,606 | 12 | |
| 10 | | Ondh and Rohill hand State— Oudh and Rohill hand Railway Volunteer Rifles | 13 | 46 | 403 | 4 | 467 | h i | 4 | , |
| | | Oudh and Rohillhand Railway Re servists | 2 | 4 | 49 | | 55 | 676 | | |
| 11 | | Oudh Light Horse Assam Bengal | 17 | 31 | 225 | | 273 | i | 3 | |
| 12 | | - | ļ | | | | | | | |
| | | Bengal and North Western— Bengal and North Western Railway Volunteer Rijles United Provinces Light Horse, Goral h | 21 | 50 | 250 | 5 | 335 | } .61 } | 5 | |
| 14 | | pur Squadron | 2 | 5 | 30 | | 37 | 41 / | 1 | |
| 14 | | Bhavnagar-Gondal Junagad Forban dar — First Battalion, Bombay, Baroda and Central India Railiay Volunteer Ligles, F Company | 1 | 6 | 23 | | 35 | 39 | 1 | |
| 15 | | Burma | 33 | 87 | 532 | 1 | 653 | 825 | 9 | 4 |
| 19 | | Morvi— First Battalion, Bombay, Baroda and Central India Radway Volunteer Rifles, F' Compan J | | | 2 | , | 2 | 3 | | |
| 3 | (g) to (m) | Rajpntina Valwa— Second Ballalion, Bombay, Baroda and Central India Railway Volunteer Ryles | 30 | 78 | 660 | 2 | 770 | 933 | 11 | |
| 20 | | D 1 Honel and Tamaon Railway | | 2 | | | 33 | 46 | | |
| 21 | | South Indian , | 21 | 78 | 481 | | 580 | 905 | 8 | |
| 22 | | Sonthern Mahratta | 19 | 137 | 467 | 4 | 627 | G10 | 6 |] |
| 23 | | Udaspur Chitor— Bombay, Baroda and Central India Railuay Volunte r Rifles | 1 | 1 | | | 3 | 2 | | |
| 32 | | Taral eshwar Magra— East Indian Railway Volunteer Rifles | | | 1 | | 1 | 1 | | |
| 35 | | Darjeeling Himaleyan— Northern Benaul Mounted Rifles, "A" and "B" Troops | | s | 12 | | 16 | S4 | 1 | |
| | | TOTAL | 198 | 1,545 | 10,844 | 162 | 12,939 | 15,639 | 125 | |

APPENDIX 33

Strength and cost of the Police force on each Railway system (open lines), and the amount of compensation payments on account of claims for goods lost or damaged for the Calendar year 1905

| | MBER | m payments on account | | | PORTION | OF THE TO | OTAL ANNI | JAL COST | Cost of | Compon sation | |
|------------|--------------------------------------|--|-----------------------------|---------------------------|-----------------|---------------------------|-------------------|------------------------------------|--|---|---------|
| Main | Snb head | Railway system | Snbordi nato officers | Consta bles and mon | Snpervi sion | Consta bles ana mon | Contin generos | Total cost of force to the railway | force to the railway per mile open | on account of claims for goods lost or damaged | Remarks |
| | | | Average No | Average No | Rs | Rs | Rs | Rs | Rs | Rs | |
| 1 | | Bengal Nagpur . | 13 | 787 | 17,741 | 50,586 | 4,107 | 72,137 | 36 6 8 | 97,571 | |
| 2 | (a), (c) to (f) & (n) & (o) | Bombry, Baroda and Central India | 23 | 668 | 27,671 | 63,037 | 5,339 | 26047 | 111 89 | 19,250 | |
| 3 | (6) | Eastorn Bengal State | 95 | 851 | 1,192 | 52,696 | 116 | 54,004 | 46 15 | 81,755 | |
| 4 | | East Indiau | 68 | 1,978 | 59,069 | 1,35,407 | 89,414 | 2,33,890 | 101 62 | 61,788 | |
| 5 | | Great Indian Peniusula | 61 | 1,621 | 61,075 | 1,85,525 | 20,203 | 2,16,8(3 | 72 53 | 1,01,327 | |
| 6 | | Madras | 22 | 730 | 15,279 | 83,300 | 10,529 | 1,14,108 | 75 31 | 4,462 | |
| 8 | | Nızam's Guaranteed Stato | 3 | 389 | 17,449 | 44,283 | 2,457 | 64,219 | 86 46 | 889 | |
| 9 | | North Western State | | 1,520 | | 1,19,820 | 7 83 | 1,44,003 | 35 27 | 48,155 | |
| 10 | | Oudh and Rohilkhaud State | 15 | 649 | 8,072 | 45,553 | 2,489 | 56,114 | 44 56 | 17,563 | |
| 11 | | Assam Bengal | 3 | 223 | 2,2 53 | 16 852 | 1,106 | 20,211 | 26 07 | 3,232 | |
| 32 | | Bongal and North Western | 20 | 609 | 3,228 | 52,718 | 1,686 | 57,632 | 39 29 | 4,280 | |
| 13 | | Bengal Decars | | 9 | | 914 | | 941 | 6 17 | 1,319 | |
| 14 | | Bhavnagar Gondal Jnusgad Por bandar | 26 | 123 | 16,787 | 11,481 | 6,477 | 84,715 | 76 29 | 843 | |
| 15 | | Barma | 92 | 469 | 20,671 | 73,533 | 17,241 | 1, 11,448 | 83 16 | 7,501 | |
| 18 | | Jodhpur Bilaner | 3 | 45 | 1,780 | 3,966 | 266 | 6,012 | 7 22 | 689 | |
| 2 | (b) & (g) to | Rajputana Malwa - | 122 | 615 | 33,639 | 85,025 | 6,959 | 1,30,623 | 59 64 | 27,104 | |
| 19 | (m) | Morvi - • • | 3 | 12 | 772 | 1,232 | 596 | 2,600 | 29 00 | 96 | |
| 20 | | Rohilkuud aud Kumaou | 11 | 148 | 1,055 | 12,230 | 1,619 | 14,931 | 51 40 | 1,936 | |
| 21 | | Sonth Indian | | 243 | 45,918 | 14,967 | | GO 885 | 44 99 | 4,672 | |
| 22 | - | Southern Mahratta | 14 | 727 | 17,298 | 72,226 | 6,796 | 96,320 | 59 58 | 7,036 | |
| 25 | | Barsı Light - • | 1 | 4 | 106 | 597 | 47 | 740 | 26 49 | 44 | |
| 27 | | Cuteh - | | 4 | | 26 | r. | 26 | 2-23 | | |
| £ 0 | | Kalka Simla : | 1 | 44 | 1,213 | 1,9 08 | 149 | 8,270 | 55 01 | 498 | |
| | | | 1 | | | <u> </u> | | | | | |

104 APPENDIX 34

Transactions of the Fine Funds for the Calendar year 1905

| Nux | BEE | | | Assets | | | | | DISBURSEM | ENTS | | | eembe |
|--------------|---------------------------------|--|--|---|---------------------|------------------|---------------------------------|------------------------------|-------------|------------------|---------------|--------------|--------------------------|
| Main head | Sab head | RAILWAY SYSTEM | Balance on 31st December 1904 (Rensed) | Finos and bonus for forted during 1905 | Interest on balance | Total | Ho pitals for sick om ployes | Compressonate allow ances | Schools. | Recreation clubs | Miscellancons | Total | Balance on 31st December |
| | | | Rs | Rs | Rs | Rs | Rs | Rs | Rs 950 | Rs 4,035 | Rs 8,969 | Rs 13,954 | Rs 28,718 |
| 1 2 | (a) (a)ta | Bongal Nagpur Bombay, Baroda and Central India | 23,974 | 17,922 | 776 | 42,672 | 100 | 1,640 | 7,500 | 1,956 | 952 | 11,568 | 3,267 |
| 4 | (a),(c)to (f) & (n) & (o) | | 10,865 | 3,550 | 420 | 14,835 28 149 | 120 | 745 | 3,013 | 5,515 | 6,478 | 15,751 | 12,898 |
| 3 | | Eastern Bengal State | 7,061 | 20,784 | 301 | 20 140 | | | | | | | * |
| 4 | | East Indian | 1,11,876 | 24,844 | 3,676 | 1,40,396 | | | 2,684 | 1,811 | 29,056 | 33,551 | 1,06,845 |
| 5 | | Great Indian Poninsula | 5,431 | 17,855 | 297 | 23,583 | | 1,606 | 873 | 1,250 | 2,843 | 6,072 | 17,511 |
| 6 | • | Madras | 1,07,671 | 9,859 | 4,157 | 1,21,690 | | 6,073 | 140 | 141 | 8,358 | 14,712 | 1,06,978 |
| 8 | | Nızam's Guaranteed Stato | 7,029 | 2,719 | 217 | 9,965 | | | 70 | | 495 | 555 | 9,410 |
| 9 | | North Western State | 15,849 | 18,791 | 547 | 35,187 | 300 | 449 | 5,454 | 10,250 | 1,489 | 17,741 | 17,446 |
| 10 | | Oudh and Rohilkhand Stato | 12,090 | 5,183 | 417 | 17,720 | • | 19 | 5,204 | 860 | 3,828 | 9,411 | 8,309 |
| 11 | | As am Beugal | 11,763 | 9,230 | | 20 993 | | 1,372 | 175 | 8,835 | 6,449 | 11,331 | 9,662 |
| 12 | | Bengal and North Western | 79,701 | 17,40 | 1,032 | 98,139 | | , | 831 | 3,149 | 3,779 | 7,759 | 90,379 |
| 13 | | Bougal Docars | 900 | 1,014 | 42 | 1,956 | | | | 838 | | 338 | 1,618 |
| 14 | | Bhavnagar Gondal Junagad Porbandar | 5,861 | 1,112 | 178 | 7,154 | | 48 | 260 | 198 | 528 | 1,084 | 6,120 |
| 15 | | Burma | 11,151 | 15,543 | | 26,694 | | | 2,683 | 3,528 | 12,769 | 18,980 | 7,714 |
| 18 | | Jodhpur Bikaner | 5,625 | 2,007 | | 7,632 | | | 114 | 702 | 6 | 822 | 6,810 |
| : | (b) & (g |) Rajputana Malwa | | | Inform | ation no | t available | owing to | destruction | n of recon | ds by fir | o | |
| 19 | 1 | Morvi | 1,485 | 112 | | 1,597 | | 48 | | | | 48 | 1,519 |
| 20 | | Rohilkuud and Kumao | n 24,309 | 5,261 | 88 | 30 45 | , | 300 | | 607 | | 907 | 29,548 |
| . 2 | 1 , | South Indian | 1,55,751 | 7,128 | 4,39 | 0 1,67,26 |) | 1,820 | 386 | 14,749 | 1,303 | 18,258 | 1,49,011 |
| 2 | 2 . | Southern Mahratta | 962 | 3,907 | 2 | 3 4,89 | 2 100 | | 856 | 1,595 | 275 | 3,126 | 1,76 |
| 2 | 3 | Udaipur Chitor | 302 | 47 | 7 | 31 | | - | | | | | 34 |
| 2 | 1 | Barnset Basirhat Light | | 7: | 2 | 7 | 2 . | | | | 72 | 72 | |
| 2 | 6 | Bukhtiarpore Behar Light | | | 9 | | 9 | | | | 9 | į | |
| 8 | 30 | Kalka Sımla | 25: | 30 | 5 | 56 | 50 | | | | 13 | 13 | 54 |
| ; | 12 | Tarakeshwar-Magra Inght | | 1 | .9 | | 19 3 | 19 | | | | 19 | ì |
| : | 3 | Tezpore-Balipara Lig | ht | : | 36 | | 36 | | 2 | | | 20 | |
| ; | 85 | Darjeeling Himalaya | n 14 | 5 38 | 53 | 2 | 98 | | | 10 | | | |
| | 3r | Howah Amta Light | ` | 10 | 36 | 1 | 66 | | | | 160 | 160 | |
| | 37 | Howrah Sheakhala Light | | ì | 26 | 1 | 26 | | | | 2 | ١. | i . |
| | 39 | Jorhat . | 39 | 2 | 20 | 12 4 | 91 | | • | | 12 | 1.20 | 3 |

.

APPENDIX 35.

Railway and Railway Aided Schools at the close of the Calendar year 1905

| - | | | | l | | | | | | | | | | i | | | | | | 1 |
|-----------|------------------|--------------|--|--------------|-------------------------------|---|---------------------------|--|--------------------------|---------------------|----------------------|-----------------------|------------------|--------------|---------------|--------------|-----------------------|---------------------|----------------------|---|
| | | | | | · | | R. | AILW. | AY SC | HOOL | <u>-</u> | | | | RAI | LWAY | AIDI | ED SCI | HOOLS | |
| | Nomber | | L AILWAY | | | ATTEN | DANCE | | | Cor | TRIBU | EMOIT | | Expon | | ATI | RAGE AILY CEND- | | LWAY | |
| _ | NON | ١. | BYSTEM (vide PENDIA I) | schools | Chil | dren | Appre and wor | ntioes kmen | | By Ra | ılway | | | diture | sohools | | and | | | Remarks |
| Mars tond | Snb hoad | | | Number of se | Num ber on the rolls | Aver nge daily nt tond- ance | Number on the rolls | Aver ngo daily atten dance | By Gov ern ment | From Rove nue | From Fine Fund | By school fees. | Total | | Number of sob | Chil dren | Apprentices workmen | From Revo nue | From Fine Fund | |
| _ | | | | | | | | | Rs | Rs | Rs | Rs | Rs | Rs | | | | Rs | Rs | |
| : | ı | B | { European | 5 | 210 | 172 | | | 3,055 | 3,300 | 650 | 4,125 | 11,130 | 10,486 | 4 | 295 | | 600 | | |
| |) (a)+ | 1 | (Nativo | 3 | 231 | 191 | | | 196 | 900 | 300 | 668 | 2,064 | 2,350 | 1.0 | | | 0.050 | 7 500 | |
| • | (r) (n) | Bi | European Nntivo | 3 2 | 119 | 81 12 | 21 | 18 | 1,491 153 | 4,020 600 | | 2,649 237 | 8,160 990 | 7,777 924 | 18 | 59 | | 3,258 | 7,500 | |
| | (0) | ı | S European | 1 | | | | " | 100 | " | | | | | 5 | 127 | 8 | 2,161 | 2,161 | |
| ; | 3 | E BS | Nntive | 5 | 98 | 64 | 252 | 67 | | 1,129 | | | 1,129 | 1,129 | 13 | 585 | | 752 | 852 | |
| | 1 | ЬI | { European | 18 | 850 | 769 | 62 | 52 | 13,816 | 27,277 | | 79,849 | 1,20,942 | 1,15,424 | 2 | 57 | | 1,387 | | |
| | | | (Nativo | 67 | 2,623 | 1,726 | 2,966 | 1,065 | i ' | 1 | | 15,341 | 23,743 | 1 | 1 | 296 | | | 177 | |
| 4 | (a) | G L.P | { European Native | 5 | 223 | 189 | | | 2,769 | 12,282 | 642 | 2,490 | 18,183 | 18,183 | 8 11 | 109 | | 3,619 2,010 | 15 | |
| 1 | (b) | I | (Earopean | 2 | 114 | 75 | | | | 7,123 | 216 | 984 | 8,323 | 8,923 | ., | 535 | | 2,010 | | |
| | l to | М | Native | | | | ., | | | ", | | ` " | 5,020 | | 2 | 79 | | 270 | | |
| (| 3 | м | Earopean | 9 | 436 | 363 | | | 4,592 | 16,752 | 115 | 4,321 | 25,760 | 26,781 | 9 | 161 | | 3,958 | 25 | |
| 1 | (a) | И G | {European | 1 | 59 | 50 | | | | 1,604 | | 485 | 2,089 | 1,227 | 3 | 131 | | 510 | | |
| | (b) | 5. | (Native | 1 | 64 | 47 | 6 | 3 | | 996 | | 158 | 1,154 | 993 | 6 | 377 | İ | 540 | 70 | |
| | | | European | 2 | 72 | 54 | 32 | 21 | 2,066 | 1,927 | 353 | 721 | 5,067 | 5,234 | 19 | 489 | ļ | 14,617 | 2,678 | In addition to these |
| 4 | | N W | { | | | , | | | | | | | | | | | | | | in addition to these grants from the Fine band the North West- ern State railway also contributed Rs 1782 for the 'Oakgroyo School at Magazayie |
| | | 1 | Native | 21 | 104 | 86 | 2,309 | 577 | | 5,834 | 98 | 313 | 6,245 | 4,916 | 3 | 258 | 2 | 2,729 | 498 | School at Massoorie and Rs. 45 to the Cathedral Orphanage, |
| | | | (Enropean | 4 | 50 | 43 | 38 | 35 | 876 | 940 | 1,796 | 1,260 | 4,872 | 3,612 | 15 | 56 | - | 4,603 | 2,306 |) manore |
| 1(| | R R | { Natave | 3 | | | 76 | 19 | | 322 | 124 | | 416 | 446 | 3 | 134 | | | 978 | |
| 11 | | ΑI | 3 Earopean | 1 | 24 | 29 | | | 249 | 1,200 | 175 | 131 | 1,755 | 1,645 | | | | | | |
| 12 | | ∇N . | { Earopean | 2 | 62 | 58 | | | 1,255 | 1,800 | 831 | 894 | 4,780 | 3,963 | | | | | | |
| | | 1 | (Native | | | | | | | | | | | | 2 | 64 | | 324 | | |
| 13 | | i | O Native (Enropean | 1 | 11 | 9 | | | | 996 | 260 | 197 | 1,453 | 1,241 | 1 | 17 | | 120 | | |
| 14 | | GJ. | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 2 | 91 | 72 | | ļ | | 584 | 100 | 242 | 826 | 657 | | | | | | |
| | - | ١, | (Enropean | 3 | 66 | 54 | 23 | 20 | 2,177 | 81 | 681 | 1,378 | 4,317 | 3,928 | 17 | 35 | | 272 | 272 | |
| 15 | Ì | В | Native | 3 | 218 | 177 | 18 | *20 | 2,534 | 605 | 1,420 | 3,220 | 7,779 | 6,510 | 17 | 43 | | 310 | 310 | * The average daily |
| 17 | | D S | Native | 1 | 72 | 65 | | | | 300 | | 699 | 999 | 1,754 | | | | | | attendance is more than the number on the rolls owing to the numbers |
| 18 | | l | Nativo | 1 | 12 | 9 | | | | | 114 | | 114 | 114 | | | | | | on the rolls having been more during the year than that on the 31st |
| 8 | (c) | l G ⊰ | Enropean | 1 | 23 | 11 | | | | 420 | | 110 | 530 | 357 | | | | | | December 1905 |
| | (a) | | Native European | 8 | 181 | 154 | 97 | 85 | 2,260 | 5,889 | 1,851 | 3,726 | 13,726 | 13,580 | 1 | 86 69 | | 120 180 | | |
| 2 | (g) to (m) | \mathbf{R} | Native | 6 | 316 | 263 | 72 | 65 | 960 | 901 | 1,232 | 2,360 | 5,453 | 5,368 | 1 | 83 | | 100 | 554 | |
| | | | (Enropean | 4 | 154 | 89 | | | 991 | 4,196 | 386 | 721 | 6,294 | 4,490 | | | | | | |
| 21 | | SI | Native | 1 | 58 | 54 | | | 111 | 426 | | 213 | 7 ⁴ 0 | 461 | | | | | ı | |
| .22 | $\overline{}$ | s { | Enropean | 8 | 207 | 168 | | | 911 | 6,011 | 30 | 1,779 | 8,731 | 8,301 | 7 | 376 | | } | 550 | |
| -44 | | M (| Native | 6 | 144 | 110 | 98 | 34 | 138 | 1,056 | 180 | 1,422 | 2,796 | | 1 | 111 | | | 96 | |
| 33 | | | Native | 1 | | | 32 | 16 | | 109 | 20 | | 129 | 129 | | | | | | |
| 5 | (g) | G L | Native | | | | | | | | | | - | | 1 | | 17 | 240 | | |
| | | т | otal | 203 | 6,907 | 5,214 | 6,106 | 2,104 | 13,864 1 | 19 196 | 3,981 | 1,30,693 | 3,00,731 | 2,87,458 | 171 | 4,582 | 27 | 42,640 | 19,042 | |
| | | | ! | | | | 1 | | | 1 | - 1 | - 1 | | 1 | 1 | 1 | | 1 | | 27 |

APPENDIX 38

History of open lines of railways, and of lines under construction or sanctioned for commencement, on the 31st December 1905

INDEX

| Num | BEB | | | Num | BER | 7.1 | |
|---|--|---|--|-------------------------------------|--|--|--|
| Main heod. | Sob head | Radwoy | Poge | Main head | | Railwoy | Page |
| | | , A | | | | K | |
| 5 2 2 9 11 6 | (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | Agrı Polhı Chord Ahmedabad Dholko Ahmedobad Parantıj Amrıtsar Pottı Assam Bengal Azhıkal Mongalore | 137 116 117 159 160 147 | 30 21 9 6 22 | (a) (b) (g) (b) (g) | Kolko Sımla Karaıkkal Peralam Khnsholgarh Kohot Thal Kolar Gold fields Kolhopur | 197 182 157 143 190 |
| 24 25 22 12 | (a) (a) (b) (a) (c) | Boraset-Basirhot Light Barsi Light Bellary Rayodrog Bongal and North Wostern Bongal Dooars | 194 195 187 163 165 | 17 20 9 | (b) (b) (c) | Ledo and Tikok Margherita Colliery Lucknow Barcilly Ludhiana Dhuri Jokhal M | 174 179 153 |
| 24 25 22 13 13 18 22 14 5 5 8 29 20 21 25 20 20 20 20 20 20 20 20 20 20 20 20 20 | (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | Bengal Pocars Extensions Bengal Rogpur Bezwada Latension Bezwada Mashipatam Bhovangor Gondal Innogad Porbandar Bhopal Itarsi (Strish section) Bhopal Itarsi (Notive Stote section) Bhopal Ujion Bikoner Bina Goona Boran Birar Shimega Bomboy, Borodo and Central Indio | 167 107 149 191 167 138 175 139 188 110 | 6 6 5 1 6 19 3 22 22 | 30000000000000000000000000000000000000 | Modros Madras (North Eost line) Matheran Light Monrbhonj Morappur-Dhormapnri Morri Mymensingh Jamalpur Jagannathganj Mysore Nanjongod Mysore section (Southern Mahratta) | 142 144 141 169 147 177 127 191 |
| 26 15 15 10 3 27 | (a) (a) (b) (c) (d) | Bukhtiarpore Behar Light Burma Enrma exteosions C Cownpore Burhwol (3' 3% gange) link Cooch Behar | 196 170 171 160 127 | 1 - | (a) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d | Nagdo Mntira Nogdo Ujiain Nilgiri Nizam s Goaranteed State Nookhuli (Bengal) North Western (State) Nowshero Durgai | 148 113 145 148 162 151 |
| 27 | (a) | Cntch D | 196 | 10 | | O Codh and Bal III and (St. I.) | |
| 9 35 4 16 28 14 17 29 | (a) (b) (c) (c) (d) (d) (d) (d) | Dandot Light Dorjeeling Himaloyon Dolhi Umballa Kalka Deoghur Dholpir Bari Dhrangadra Dibra Sadiya Dwara Therria Light E | 157 200 131 172 197 168 172 197 | 2 1 2 2 | (a) (k)(d)(e)(c)(g) | Ondh and Rehilkland (State) P Palanpur Deesa Parlakimedi Light Petlad Camboy (Anand Tarapur section) Potlod Cambay (Taropur Cambay section) Pondioherry Powoy an Light Purolio Ranchi | 158 · 118 110 113 114 183 180 110 |
| 3 | (a) (b) | Castern Bengal (State), Eostern, Southern and Central sections (5' 6' gange) Northern, Behar, Dacca and Kaunio Dhubri sections (3'3\frac{3}{3}'' gange) Racaghat Krishnagar and Teesta Kurigram branches and British section Santrabori oxtension | 124 | 1 2 9 | | Rupor-Dhomtari Ruppipla Rajpura Bhatinda Rajputua Molwa Rohikund and Kumoon | 108 123 154 119 177 |
| 4 | (a) | East Indion (2' 6' gauge) | 128 | 1 | | s | |
| 2 2 2 1 5 22 5 | (n) (1) (b) (f) (d) (g) (b) (e) | Gnel war s Dabhot Goekwar s Mehsana Godhra Ruttom Nogda Gondia Chanda Great Indian Poninsulo Guntakal Mysore Frontier Gwolior Light Hurlwar Dohra Hindupur (Yesvantpur Mysore Frontier) | 122 118 112 110 133 1c8 141 | 21 31 6 4 21 22 9 | (a) (e) (c) (a) (e) | Salem Attar Sangh Shalidaro (Delhi) Sohoronpur Light Shoranur Coehin South Behar Sonth Indion Southern Mobratta Sonthern Punjab Southern Punjab "Lindhiona ' extension T | 147 194 198 146 132 181 186 155 |
| 10 22 22 96 37 8 | (e) (f) (a) (a) (c) | Hospet Kottur Howrah Amtz Light Howrah Shexhhafa Light Hyderabad Godavari Volley I | 190 201 204 150 | 2 | (a) | Tonjore District Board Tapti Volley Torakeshwar Magra Light Tarke sur Tozpore Balipari Light | 198 132 199 200 |
| | (y) | Indian Midland J | 13 | 1 1 | 1 (S) (S) (S) (S) (S) (S) (S) (S) (S) (S) | Tirhoot Tirupattur Krishnagiri | 164 |
| 1: 1: 1: 3: 3: | (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | Jopor (Siwai Madhopnr) Jammu and Koshmir (Native State section) Jomnogar Jetal-ar Rojkot Jodhpor Jodhpor Jodhpar Hyderabad (British section) Jorhat Jubbnlpore Gondia Extension | 11 15 16 17 17 17 20 | 8 3 9 0 4 6 3 | | U Udoiphr Chitor V Vijapur Kalol Kadi | 147 194 121 |
| | (b) (b) (c) | Jullundur-Kapnrthalla Sultanpur (British section) Jullundur Kapnrthalla Sultanpur (Notivo State section) tion) | 1 75 | 8 | 2 (3) | West of India Portngueso | 192 |

APPENDIX 38

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 1 BENGAL-NAGPUR RAILWAY SYSTE XI—

Lines comprising the system.—The Bengal-Nagpur railway system is made up of-

| 1 | | Open line | Under construction or sanotioned for construction | Total |
|---|------------------------|-----------------------|---|----------------------|
| | | Miles | Miles | Miles |
| (a) Bongal Nagpur railway | (5' 6" gauge) | 1,377 83 | 29 89 | 1,407 73 |
| East Coast (State) railway, Northern section | (5' 6" gange) | 311 93 | | 311 93 |
| (b) Jubbulpore-Gondia Extension, Bengal Nagpur railwa | 7 (2' 6" gauge) | 228 77 | 61 26 | 290 03 |
| (c) Mourbhanj railway | (2' 6 ' gange) | 32 41 | | 32 41 |
| (d) Parlakimedi Light railway | (2' 6' gange) | 24 62 | | 24 62 |
| (e) Raspur Dhamtars brauch, Bengal Nagpur rashway | (2' 6" gauge) | 56 24 | | 56 24 |
| (f) Gondia Chanda . | (2' 6" gaugo) | | 212 40 | 212 40 |
| (g) Purulia Ranchi | (2'6" gauge) | | 72 28 | 72 28 |
| | | | | |
| | Total | 2,031 80 | 375 83 | 2 407 63 |
| Eunning powers— | | | | |
| Home line over Foreig- lines - | | | | Miles |
| At Katni, East Indian railway of passenger and goods to the Asansol, for passenger trains only | rains | • | { | 0 30 0 50 1 00 |
| At Nagpur, Great Indian Pennsula railway Waltair to Vizagapatam, including wharf and swamp line | s, Southern section, L | ast Coast (State) rai | lway } for presenger an | |
| | | | Total | 7 42 |
| Foreign line over Home line - | | | | |
| Groat Indian Peuinsula railway at Katni (for passenger t | rains only) | | | 160 |
| T () Demond Nomman and Trans (E' C' man) | • • | | | |

1 (a) Bengal-Nagpur railway (5' 6" gauge) -

Details of construction—

The open mileage of the Bengal-Nagpur railway, 5' 6" gauge, amounts to 1,689 76 miles, which may be divided into (1) Bengal-Nagpur railway proper, main line (Asansol to Nagpur), 626 83 miles, bianches, 751 miles, and (2) Northern section of the old East Coast (State) railway, main line (Barang to Waltair), 281 75 miles, branch, 27 18 miles Of this 68 78 miles are double line. There are under construction 29 89 miles of single line, and 4 10 miles of main line are in course of being doubled

The construction of the first portion of the main line, Asansol to Nagpur, was sanctioned in 1884 and opened through in 1891. The Sini-Howrah section was opened in 1900.

Permanent-way —The line is laid with 75-lb and 85-lb steel rails on transverse wooden, steel and east non pot sleepers

Ballast — The line is ballasted throughout with stone, except for a few miles on the Chakardharpore district where laterite is used

Fencing.—The line is fenced only between Nagpur and Kamptee and at the more important stations, also at some of the station yards and first class level crossings on the Barang-Waltair section

Curves -On the main line there are no curves sharper than 1,000 feet radius

Gradients —The ruling gradient between Asmsol and Nagpur, and Bilaspur and Katni is 1 in 100, between Sim and Khargpur, 1 in 125, between Khargpur and Waltan, 1 in 150, between Khargpur and Howiah, and Khurda Road and Puri 1 in 200, and between Midnapore and Bhojudih, 1 in 200 in the down direction, and 1 in 125 in the up direction

Terms of contracts-

The Bengal Nagpur railway is worked under the following contracts -

Contracts of 9th March 1887 - Bengal-Nagpur Railway Company's principal contract

31st December 1891 —Contract for the construction and working of a branch line from Jharsuguda (Samhalpur Road) station on the main line to Samhalpur

27th June 1901 —As to the raising of debenture capital for the construction of the Sini-Midnapore-Howrah and Midnapore Cuttack extensions

23rd January 1902 —Contract for the construction and working of the Raipui-Dhamtari (2'6" gauge)
feeder line with a branch to Rajim, an extension (5'6" gauge) from Sim, via
Midnapore, to Howrah, with branches from Midnapore to Cuttack and the
Jharia coal-helds, a line (2'6" gauge) from Gondia to Jubbulpore with
branches from Nampur to Mandla, Nampur to Chlindwara, and for the
working of the Northern section of the East Coast (State) railway as part of
the undertaking

The general conditions of the contracts are as follows -

Government and —Free grant of land and guarantee of interest in sterling at 4 per cent per annum on £3,000,000 share capital. On any further capital that may be required the guarantee to be 4 per cent or such other rate as may be agreed upon

Terms of contracts — The contracts provide for the Company laising £3,000,000, any finither money required being provided either by the Secretary of State upon such terms as may from time to time be mutually agreed upon, or Ly the Company within such periods and in such instalments as the Secretary of State may presente. Subject to the previsions of the contracts, all moneys raised by the Company become the absolute property of the Secretary of State.

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 1 Sub heads (a) to (g)

BENGAL-NAGPUR RAILWAY SYSTEM-contd

1 (a) Bengal-Nagpur railway (5' 6" gauge)—concld

Terms of contracts-concld

Currency of contracts' -

- (1) Principal contract—Government may determine the contract by giving twelve months' previous notice on the S1st December 1913 or on the S1st December of any succeeding tenth year. Government may also terminate the contract at any time, on six months' notice, if the Company fulls to fulfil its obligations or the line be worked at a loss. On the termination of the contract the Company is to hand over to Government the railway and all its belongings of every description, and Government are to repay at par the amount of the share capital which has been paid in by the Company
- (2) Sambalpur branch contract —The contract for this branch brings it within the provisions of the original contract of 9th March 1887, but provides that the Government may purchase the branch at any time after 1st January 1895 on giving twelve months' notice
- (3) Contract of 23rd January 1902 Northern section, East Coast (State) railway —Government may, at any time, by giving six months' pievious notice, require the Company to retransfer the whole or any part of the section of railway between Vizianagram and Waltair Junction with all appurtenances, without compensation in respect of such retransfer.

Power of Company to surrender contract -Nil

Terms of working —After deducting working expenses—which may include any single item of capital expenditure, classed as a "Minoi Work," up to Rs 1,000 but not exceeding Rs 2,000 at the discretion of the Consulting Engineer, subject to a maximum charge on such account of Rs 20 per mile of the open system in each half-year and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government for supervision—three parts of the surplus profits for any complete calendar year, after providing for payment to Government of interest on advances of capital made by them to the Company and for repayment of the interest paid by them to the Company for that year, to be retained by Government, and the remaining fourth part to be divided between the Company and Government in the proportion which the gross earnings of the Company's undertaking, exclusive of the Northern section of the East Coast (State) railway, bear to the gross earnings of the latter section

Rates and fares—Certain maxima and minima have been fixed within which the Company is permitted to vary rates. The Madras Railway Company has the power to quote through rates in the direction of Madras from Bengal-Nagpur stations between Cuttack and Waltur. The Bengal-Nagpur Railway Company similarly has power to quote rates from Madras railway stations, Tadepalli and Cuttack, in the direction of Calcutta.

Statistics of working-See page 109

1 (b) Jubbulpore-Gondia extension, Bengal-Nagpur 1 ailway (2' 6" gauge)-

Details of construction-

The open mileage of the Jubbulpore Gondia extension amounts to 228 77 miles, which may be divided into main line (Jubbulpore to Gondia), 140 94 miles, and branches, 87 83 miles. There are still 29 12 miles (Pench Valley railway) under construction, and 32 14 miles (Mandla branch), sanctioned for construction. The construction of the line was sanctioned in 1901 and it was opened in July 1904.

Permanent-way — The permanent-way consists of 41-lb flat-footed steel iails on sal sleepers

Ballast -The line is ballasted with stone, except between Scom and Chhindwara where good black basalt has been used

Fencing —Only important station yards are fenced

Curves -The sharpest curve is of 409 feet radius.

Gradients -The ruling gradient is 1 in 80

Terms of contracts-

The line is an integral part of the Bengal-Nagpur railway and is worked under the contracts relating to that railway.

Statistics of working-See page 109

1 (e) Raipur-Dhamtari branch, Bengal-Nagpur railway (2' 6" gauge)-

Details of construction-

This branch is 56 24 miles in length and consists of the main line (Raipur to)Dhamtari), 45 74 miles, and the branch (Abhanpur to Rajim), 10 50 miles. It was sanctioned in 1897 and opened in 1900

Permanent-way - The line is laid with 31-lb flat-footed steel rails on sall sleepers.

Ballast -- Moorum or sand and stone in a few cuttings

Fencing -The line is unfenced.

Curves -The sharpest curve is of 409 feet ladius, at Raipur station.

Gradients -The ruling gradient of the line is 1 in 200.

Terms of contracts-

The line is an integral part of the Bengal-Nagpur railway and is worked under the contracts relating to that

Statistics of working. See page 109.

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 1 Sub hoids (a) to (g)

BENGAL-NAGPUR RAILWAY SYSTEM-contd

Statisties of working-

7

| (Br | (BF\Gal-Nagfur railwax, including the Northern section of the Last Coast (Stati) railway, the Raifur Dhamtari branch and the lubbulpoke Gondia fxtf\sion) | | | | | | | | | T | ABLE II | | | | |
|--|---|--|---|--------------------------------------|---|----------------------------------|--|----------------------------------|----------------------------------|----------------------------------|------------------------------|---|---|---|---|
| year | Capital outlay to end of each year | Gross earnings | Net earnings | Per eent nge on oapı | Interest | Com pany s share of not | Gain or lo s to the State | Vagpnr-Cl 3' 3 | inttisgarh, }' | Katnı U 5' 6 | | Bengal 1 5' | ı) Nagpn r, 6" | (b) (b) Jubbu Gondia sion an pur Dh branche | lpors extsn- d Rai amtari |
| Calendar year | each year | | | tal out lay | | earn ings | | Earnings per nule per week | Pro of exp to earnings | Earnings per mile per week | Pro of sxp to carnings | Earn ings per mile per week | | Earn ings per mile per wsek | |
| 1879 1880 1881 1882 1883 | R ₅ 23,62 990 55 19 511 73 \ 5,710 90,61 388 96,43,50 | 1,03 9 2 2 81,529 6,0-,386 | Rs 28,215 66 056 1 89 171 6,85,860 | 2 09 | 3,39,967 | | Rs -83,911 -1 30 589 -1,96,876 -1 50 796 +3,10,577 | 51 87 114 | 79 54 76 53 68 70 48 19 | Rs | | Rs | | Rs | |
| 1884 1885 1886 1887 1888 | 1,50 66,406 1 81,70 455 2 42 80,957 | 14 14 889 | 6,53 030 4,93 575 5,33 514 3,03,207 5,62,971 | 6 19 3 28 2 91 1 25 1 07 | 5,86,281 7,29,554 13,35,563 | | +2,33,630 -92,706 -1,96 041 -10,32,356 -16,54,363 | 183 184 177 | 57 82 65 12 62 51 59 09 | 37 41 | 104 35 116 11 | 161 | 67 58 | ,, | |
| 1889 1890 1891 1892 1693 | 7,08,75,456 8,14 66 762 9,08,01,161 9 56 14 736 9,80,08,121 | 28 61,575 54 57,956 60,85,562 | 5 47 463 | 0 67 2 96 3 15 | 33 88,852 35 05,676 39 05 315 | | -25 93,204 -29,41 325 -8 21,226 -8,97 175 -11,35,874 | - | | | | 131 101 129 141 144 | 80°93 80 89 50 81 50 55 49 17 | | |
| 1894 1895 1896 1897 1898 | 13,01 59,781 | 68,74,740 63,68,52 62,00,349 | 35 11,441 29,27 869 29,79,559 | 3 a8 2 65 2 28 | 48,27,50 | | -13,25 576 -13,15,356 -18 09 635 -21,55,651 -20,59,335 | 5 | | | | 149 153 142 138 143 | 51 30 48 49 54 03 51 94 51 10 | | |
| 1899 1900 1901 1902 1903 1904 1905 | 22,51 91,979 24 97,58,919 26,14 35 453 | 1 29 7 , 223 1 ,0,77 769 1,42,18 2-7 1,55 47 702 1 89,12,137 | 77,13 010 61 48 648 69 79,346 70 45 251 95,87,126 | 4 43 2 90 3 10 2 82 3 67 | 64 90 6 37 79 89 161 85 44 311 89 66,191 | 1 78 810 41,601 4 067 | -16,06 569 -19,24 949 | 3 3 | | | | 152 207 161 176 178 210 270 | 47 96 40 56 52 88 51 09 5± 63 48 97 44 53 | 25 21 21 21 31 42 | 72 13 77 27 61 93 67 32 71 83 |

1 (c) Mourbhanj railway (2' 6" gauge)-

Dotails of construction-

This railway is \$2.41 miles long. Its construction was sanctioned in 1902 and it was opened in 1905

Permanent way -The line is laid with 30-lb flat-footed steel ruls on sal sleepers

Ballast -- The line is ballasted with screened laterite, gravel and broken laterite

Fercing -The line is unfonced

Curies -The shippest curve is of 955 feet radius,

Gradients -The ruling gradient is 1 in 100

Terms of contract-

The line is worked under an agreement between the Maharaja of Mourbhanj and the Bengal-Nagpur Railway Company, approved in Railway Board's letter No 223 RT of the 10th March 1905

The general conditions of the agreement are as follows -

Government and -Nil The line is the property of the Maharaja of Mourbhanj.

Currency of agreement -To the ond of 1905

Terms of working -Aetual eost

Rates and fares -To be fixed by the Company

Statistics of working-

| TABLE I | Table II | | | | | |
|---------------|---|---------------------------|-----------------|-----------------------------------|----------|------------------------------------|
| Calendar year | Capital out lay to end of the year | Gress earnings | Not earnings | Per cent. on capital ontlay | per milo | Propertion of expenses to earnings |
| | Rs | $\mathbf{R}_{\mathbf{S}}$ | Rs | | Rs | |
| 1905 • | 6,21,890 | 31,494 | 7,422 | 1 19 | 20 | 76 43 |

History of railways constructed and in progress.

[For Index see page 106]

Main head 1 BENGAL-NAGPUR RAILWAY SYSTEM-concld Number Sub heads (a) to (g)

1 (d) Parlakimedi Light railway (2' 6" gauge)-

On the 20th May 1901 the Indian Railways Act, 1890 (IX of 1890), except section 135, was applied to the line. The working of this railway was taken over by the Bengal Nagpui railway from the 1st January 1902

Details of construction-

This railway is 24 62 miles long — Its constitution was sanctioned in 1898 and it was opened in 1900 Naupada to Parlakimedi

Permanent-way — The line is laid with 30-lb flat-footed steel rails on transverse wooden sleepers.

Ballast —The line is ballasted throughout with laterite, gravel and stone

Fencing —Short lengths of fencing have been provided in a few places where the railway in cutting runs alongside the road

Curves -There are no curves of less than 1,000 feet radius

Gradients —The ruling gradient is 1 in 100

Terms of contracts-

The Parlahimedi Light railway is worked under an agreement, dated the 14th April 1902, between the Raja of Parlakimedi and the Bengal-Nagpui Railway Company

The general conditions of the agreement no as follows -

Government and -Nil The line is the property of the Raja of Pulahimedi Currency of agreement -The agreement was current to end of 1905, subject to renewal.

Terms of working —Actual cost
Rates and fares —To be fixed by the Company

Statistics of working-

| | Table I | | | | | | | | |
|----------------------|---------------|---|----------------------------------|---------------------------------|----------------------------------|-----------------------|-------------------------------------|--|--|
| | Calondar year | Capital out lig to end of each gar | Gross carnings | Net carnings | Per cent on capital ontliv | per mile | Proportion of expenses to earnings. | | |
| 1903 1904 1905 | • | Rs 7 10 974 7,10,974 7 10 975 | Ps 10,033 20,675 27,191 | Rs -9 2°5 -1 301 1 481 | 0 GB | Rs. 13 16 21 | 155 70 100 29 83 51 | | |

1 (f) Gondia-Chanda railway (2' 6" gauge)-

Details of construction-

This railway, which runs from Gondin to Chanda (115 65 miles), with a branch from Pauni to Nagpur (63 75 miles), total length 212 40 miles, was sanctioned in 1901 and work was started in November 1905

1 (q) Purulia-Ranchi railway (2' 6" gauge)-

Details of construction-

This railway, which runs from Purulia to Ranchi (72.28 miles), was sanctioned in 1905, and construction was commenced in November of that year

Main hoad 2 BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM-Number Sub herds (a) to (0)

Lines comprising the system-The Bombay, Buroda and Central India railway system is made up of-

| | | | | | Under | |
|--|-----|------------|---|--|------------------------------|---|
| | | | | Open hne | construction or sanctioned f | |
| | | | | | construction | or |
| | | (5) | 6º caugo) 46: | Miles | Miles | Miles |
| (a) Bombay, Baroda and Central India railway | - 3 | (5' (3' | 6º gaugo) 463 3º" (auge) 39 | | | 501 35 |
| (b) Godhra Rutlam Nagda railway (c) Nagda Ujjain railway (d) Potlad Cambay railway (Anand Tarapur section) (e) Petlad Cambay ruilway (Tarapur Cambay section) (f) Papii Valley railway (f) Ahmedabad Dholka railway (h) Ahmedabad Parantij railway (i) Gaekwar s Mchenia railway (j) Jaipur (Siwai Madhopur) railway (l) Palanpur Deesa railway (l) Raiputana Malwa railway (m) Vijapur Kalol Kadi railway (m) Gaekwar s Dabhoi railway (n) Gaekwar s Dabhoi railway | · · | \$ | 6, tante) 6, tante) 6, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) 7, tante) | 1'1 14 24 32 21 70 10 92 155 49 33 50 54 70 92 64 72 18 17 28 1,782 33 41 07 94 49 | 1 39 °8 11 40 67 | 141 14 34 32 21 50 12 31 155 48 33 50 54 70 130 74 72 85 17 28 41 37 94 49 |
| (o) Kajpipla railway | | (2' | 6" gauge) | 37 37 | | 87 37 |
| | 5 | Cotal | | 3,0 3 61 | ED 17 | 3 183 78 |

Running powers-

| Home line over forei Dadar Ju | on line — netion to C | arnae bri | dge, Great Indian Peninsula railway (for goods trains only) | | Miles 4 39 |
|----------------------------------|--------------------------|-----------|--|-------|---------------|
| Foreign lines over h | ome lina | | | | () |
| East Ind | ian railway. | Apra En | st Bank to Agra Fort (for goods trains only) in at Ulland (for passonger and goods trains) | | 1 00 0 24 |
| , | 29 | 79 | Dadar Junction to Colaba (for goo is trains only) | | 7 25 |
| 17 | >1 | ** | at Agra (for passenger and goods trains) | | 2 89 |
| | | | • | Total | 11 38 |

History of railways constructed and in progress

[For Index see page 106]

Number Main head 2 Sub heads (a) to (o). BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—cortd

2 (a) Bombay, Baroda and Central India railway proper (5' 6" gauge)-

Details of construction-

The open mileage amounts to 504 35 miles, which may be divided into 389 35 miles of main line, and 115 miles of branches 251 90 miles are double line

First sanction to the construction of the main line (Bombay (Colaba) to Wadhwan) was accorded in 1856 and the line was epened throughout in 1872

Permanent-way —The main line is laid with 69 lb double headed and 82-lb bull-headed steel rails on crossoted pine and oval pot sleepers

The branches are laid mostly with 69-lb double-headed and 41½ lb, 48-lb, 50 lb and 75 lb flat-footed steel rails on oval pot and wooden sleepers

Ballast — The line is mostly ballasted with broken stone, gravel and sbingle

Fencing -The line is fenced throughout except the Buoda-Godhra Chord which is being fenced,

Curves.—The sharpest curve on the main line and on the Godhra branch is of 1,500 feet radius, on the Patri branch of 2,865 feet radius, and on the Godhra Baioda Chord of 1,910 feet radius

Gradients —The ruling gradient en the greater part of the main line is 1 in 500, but there are short lengths of 1 in 200 and even 1 in 100 at the approaches to major bridges. On the Godhra branch the ruling grade is 1 in 200, except for a short length at the Mahi low level bridge where it is 1 in 50, en the Patri branch and the Godhra-Baroda Chord it is 1 in 800, except for short lengths of 1 in 200 on the latter

Terms of contracts-

The railway is worked under the following contracts -

Contracts of—21st November 1855—for the construction and working of a line frem Surat to Baroda and thence to Ahmedabad

2nd February 1859—for the construction and working of a line frem Bombay to Surat as one undertaking

17th November 1871—for the construction and working of an extension line to Viramgam and Wadhwan.

14th May 1886—Supplemental to that of 1855, meorporating the branch line from Anand to Daker and its extension to Pali (Sevalia) and Gedhra with the general undertaking

1st February 1901—as to share of working expenses debitable to branch lines werked

The general conditions of the contracts are as follows -

Government and —Guarantee of interest in steiling at 5 per cent for the term of the contract. On some pertion of the share capital and on debeutures lower rates of interest are also guaranteed.

Currency of contracts — The contracts are current for a period of 99 years from 1855, after which the line becomes the property of Government on payment of the actual capital outly in sterling. The Government may, however, determine the contracts by purchase after the expiration of 25 or 50 years of the term, namely, in 1880 or 1905, at the mean market value of the shares during the three preceding years, possession being taken of the railway at the half-yearly day next but one following the notice. The Government may also determine the contracts at any time, on giving three months' notice, if the Company fails to observe its obligations. In such case, Government repay the capital expended

Note.—The Government relinquished their right to determine the centracts at the end of the 25th year—but—on the 10th May 1905 the Secretary of State for India gave notice of his intention to terminate the contracts—by purchase of the Company's property, with effect from the 1st January 1906, after v high date the line will be worked by a re-constituted Company under a new contract

Power of Company to surrender contracts — The Company may surrender, on six months' notice, at any time receiving back the capital expended

Terms of working—After deducting working expenses (which may include any single item of capital expenditure net exceeding Rs 1,000 to be classed as a 'Minor Work,' subject to a maximum charge ou such account of Rs 5,000 in each half-year) surplus profits, after repayment of the guaranteed interest of each half-year, are divided equally between Government and the Company, the interest payments being calculated for the purpose of this division at 1s 10d to the rupee

Rates and fares—Under the contract, Government fixed maxima rates and fares which cannot be altered by Government until the net receipts exceed 10 per cent on the capital outlay. The fixed maxima rates cannot also be altered by the Company without Government sanction. Authority has, however, been given to the Company, by an executive order, to vary its rates within the prescribed maxima without reference to Government.

History of railways constructed and in progress
[For Index see page 106]

Number Main head 2 BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—contd

2 (a) Bombay, Baioda and Central India railway proper (5' 6" gauge)—concld

Statisties of working-

| | | T | able I | | | | |
|---------------|---|------------------------------|------------------------------|-------------------------------|--|--|--|
| Calendar year | Capital outlay to end of caoh year | Gross earnings | Net carnings | Por cont on capital outlay | Guaran- tord intore t (oonvorted at onrrent rates of oxchange) | Company s share of not earnings (arrived at under terms of eontract) | Gain or loss to the State |
| 1879 1880 | Rs 8,51,16 162 8,47,31,626 | Rs 71,52,768 82,44,376 | Rs 32,13,354 47,34,651 | 8 76 5 58 | Rs 49 69,254 48,69,254 | Rs 5,83,846 | Rs 11,55,900 8,02,293 |
| 1881 | 8 66,45 448 | 97,45 193 | 56,78,755 | 6 55 | 43 69 251 | 8,00 798 | +4,78,703 |
| 1882 | 8 75,89,091 | 1,01,76 190 | 50,15,619 | 5 78 | 48,07,734 | 8,06,346 | -98,461 |
| 1833 | 8 89 91 377 | 1 19 22,209 | 67,16 067 | 7 54 | 43,38,189 | 11 44 849 | +12,33,049 |
| • 1884 | 9,02,69,608 | 1,21,95 590 | 68,87,562 | 7 63 | 49,49,341 | 13,17 768 | +5,70,453 |
| 1885 | 9,22,58,636 | 1,31,40,336 | 74,01,987 | 8 02 | 52,35,189 | 14,57,511 | +7,89,257 |
| 1886 | 9,16,82,002 | 1 35,05,635 | 78 73,228 | 8 50 | 55,87,440 | 16 97 935 | +5,87 803 |
| 1887 | 9 32,12 200 | 1,21,64,856 | 69,98,127 | 7 50 | 57,17,318 | 12 *6,055 | +21,751 |
| 1888 | 9 45 87,818 | 1,27,38 933 | 70,48,164 | 7 45 | 60, 9,893 | 12,68 879 | -2 50,608 |
| 1889 | 9 49,45,797 | 1,32 31,371 | 75,41,031 | 7 91 | 61,10,257 | 14,86,390 | -55,566 |
| 1890 | 9,58,16,045 | 1,29,40,370 | 74,23,195 | 7 79 | 54,66,227 | 14,22,120 | +5,34,848 |
| 1891 | 9,55,86 799 | 1 41,37,769 | 82,25,170 | 8 60 | 58 61,996 | 18 06 343 | +556,776 |
| 1892 | 9 55,28,735 | 1,42 44 478 | 81,30,959 | 8 51 | 65,57,945 | 17,86,755 | -2,13,741 |
| 1893 | 9 62,57 802 | 1,50,96 045 | 95 78 014 | 9 95 | 66,44 227 | 25 09,537 | +1,21,230 |
| 1894 | 9,77,45,855 | 1,59,48,484 | 1,00 70,974 | 10 30 | 76,07,071 | 27,35 713 | -2,73,810 |
| 1895 | 9,97,90,965 | 1,75,58,067 | 1,09,87,063 | 10 96 | 77,03,258 | 31,37,619 | +96,186 |
| 1896 | 10,31,57,107 | 1,6°,03 933 | 89,00,862 | 8 60 | 73 03 618 | 20,78 128 | -4,80,879 |
| 1897 | 10 63,10,220 | 1,42,61 293 | 64,70,202 | 6 09 | 69,36,853 | 9,51,545 | -14,18,196 |
| 1898 | 10,85,60,144 | 1,58 62 726 | 87,42,205 | 8 05 | 67,87,071 | 19,49,477 | +5,6.7 |
| 1899 | 11,40,73 858 | 1,74 65 015 | 92,90,3 .5 | 8 15 | 67,46 668 | 21 68,922 | +8,74,775 |
| 1900 | 11,60,94,044 | 1,75,93,486 | 82,28,632 | 7 08 | 68 85,449 | 15,68,577 | -1,75,394 |
| 1901 | 11,95,61,022 | 1,59,88 796 | 87,53,789 | 7 32 | 70,04,569 | 18,11 890 | $\begin{array}{c} -62,670 \\ -4,94,309 \\ -2,77,188 \\ +1,09,264 \\ +9,04,506 \end{array}$ |
| 1903 | 12,18,78,965 | 1 57 43 536 | 70 37,622 | 6 51 | 71,28,187 | 12,93,644 | |
| 1903 | 12,37,33,899 | 1 69 63 028 | 84 95,201 | 6 87 | 72,59,971 | 15,12,518 | |
| 1904 | 12,44,90,478 | 1 78,23 663 | 93 87,312 | 7 54 | 73,86,912 | 18 91,136 | |
| 1905 | 12,52,43,897 | 1 93,82,065 | 1,08,90,131 | 8 70 | 73,82,579 | 26,03 049 | |

TABLE II

| Calendar Jear | Earnings per mile per weok | Proportion of expenses to earnings | | Farnings per mile por week | Proportion of expenses to earnings | Calendar year | Earnings per milo per week | Proportion of expenses to carnings | Calendar yoar | Larnings per mile per week | Proportion of expenses to earnings |
|--|--|---|--|--|--|---|--|---|--|--|--|
| | Rs | | | Rs | | | Rs | | | Rs | |
| 1860 1861 1862 1863 1864 1865 1866 1867 1867 1869 1870 | 49 73 94 138 156 223 278 291 287 307 327 | 70 17 54 97 50 14 49 51 80 33 63 83 71 93 66 56 73 66 74 32 60 54 59 93 | 1872 1873 1874 1875 1876 1877 1878 1679 1880 1831 1882 1883 | 290 260 565 285 296 345 298 309 355 423 427 497 | 59 97 59 28 52 12 54 41 54 74 41 97 46 61 46 97 42 57 41 04 50 76 43 10 | 1984 • 1885 1885 1886 1887 1688 1899 1890 1691 1892 1893 1895 | 509 548 564 509 592 552 540 590 594 630 665 782 | 42 95 43 11 41 12 41 89 44 11 42 44 42 93 42 93 36 55 36 85 37 69 | 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 | 676 595 662 729 734 665 659 758 718 780 | 45 07 54 63 44 89 46 81 52 50 44 06 49 00 49 46 47 12 48 78 |

2 (b) Godhra-Rutlam-Nagda railway (5' 6" gauge)-

Details of construction-

This railway is 141.14 miles long. Its construction was sanctioned in 1890 and it was opened throughout in 1896

Permanent-way—The permanent-way consists of 75-lb flat-footed steel rails on transverse steel, deedar and ercosoted pine sleepers.

Ballast —The line is ballasted throughout with broken stone and gravel

Fencing —There are 76½ miles of fencing The rest of the line is unfenced except in station yards,

Curves — The sharpest curve is of 1,000 feet radius

Gradient: —The juling gradient is 1 in 200, with short lengths of 1 in 100 and from 1 in 101 to 1 in 150 between Godhra and Jekot

Terms of contracts-

This is a State line and is worked as a part of the Rajputana-Malwa railway under the contracts and conditions relating to that iailway

Statistics of working-

Included with the Rajputana-Malwa rulway

History of railways constituted and in progress

[For Index see page 106]

Nnmber Main head 2 Sub-heads (a) to (o) BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—contd

2 (c) Nagda-Ujjain railway (5' 6" gauge)-

Dotails of construction-

This railway is 34 32 miles long. Its construction was sanctioned in 1891, and it was opened throughout in 1896

Permanent-way — The permanent-way consists of 75-lb flat-footed steel rails on east iron oval pot sleepers

Ballast -The line is ballasted with broken stone

Fencing -Only station yards are fenced

Curves -The sharpest curve is of 1,910 feet radius

Gradients -The ruling gradient is I in 200

Terms of contracts-

The line is owned by the Gwalior State and worked under the following -

Agreement of-15th July 1896 (between His Highness the Maharaja Seindia and the Bombay, Baroda and Central India Railway Company) for working

Contract of—1st February 1901 (between the Sceretary of State and the Bombay, Baroda and Central India Rulway Company) as to percentage of working charges

The general conditions are as follows -

Government and -Nil The line is the property of the Seindia State

Currency of agreement — } The agreement may be terminated at any time on one year's notice from either Power to determine agreement — } any expiring on the 30th June or 31st December in any year

Terms of working.—The railway is debited with a share of the working expenses of the system (which may include any single item of capital expenditure, not exceeding Rs 1,000 classed is a 'Minor Work,' subject to a maximum charge on such account of an amount bearing the same percentage of gross receipts as obtains for similar expenditure on the Bombay, Baroda and Central India railway) excluding 2' and 2' 6" gauge lines, in proportion to the total earnings of the Nagda-Ujjain railway

Rates and fares - Conform generally with those in force on the Godhra-Rutlam Nagda rulway

Statistics of working-

| | TABLE I | | | | | | | | | |
|--------------------------------------|---|--|--|--------------------------------------|----------------------------------|---|--|--|--|--|
| Calendar zear | Capital outlay to ond of each year | Gross earnings | Net earnings | Per cent. on expital outlay | Earnings per milo per week | Proportion of expenses to earnings | | | | |
| | Rs | Rs. | Rs | | Rs | | | | | |
| ,1895 | 5,93,660 | 40,701 | 17,762 | 0.81, | 40 | 56 36 | | | | |
| 169 <i>G</i> 1897 1898 | 70,71,951 22,10,919 22,31,596 | 1,04 639 1 29 627 | 47,756 71 509 | 2 15 3 0 | 49 58 73 | 51 36 44 8° | | | | |
| 1899 1900 | 12 31,346 22,29,753 | 1 17,175 2,51,783 | 77,732 1,20,956 | 3 48 5 42 | 83 141 | 47 18 51 96 | | | | |
| 1901 1902 1903 1904 1905 | 22,31,982 22,30,643 22,41,230 22,41,231 21,10,441 | 1,12 366 1 57 211 1,20,951 1 2°,654 1,71,135 | 67 208 85 851 62 949 66 111 99,407 | 7 01 3 83 2 81 2 96 4 46 | 63 88 68 69 96 | 40 19 45 39 47 95 46 27 41 72 | | | | |

2 (d) Petlad-Cambay railway (Anand-Tarapur section) (5' 6" gruge)-

Dotails of construction-

This section of the Pethad-Cambay railway is 21 50 miles long. Its construction was sauctioned in 1888, and it was opened throughout in 1901

Permanent-way — The permanent-way consists of 664-lb flat-footed steel rails on steel sleepers from Anand to Petlad and on crossoted rane sleepers from Petlad to Tarapur

Ballast -The line is ballasted with gravel

Fencing —Thirteen miles, between Anand and Petlad, are fenced The rest of the line is unfenced, except in station yards

Curves - The sharpest curve is of 1,433 feet ridius

Gradients -The ruling gradient is 1 in 200

History of railways constructed and in progress [For Index see page 106]

Main head 2 BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM-contd. Number Sub heads (a) to (o)

2 (d) Petlad-Cambay 1ailway (Anand-Tarapur section) (5' 6" gauge) -concld

Terms of contracts-

The line is owned by the Baroda State and worked under the following -

Agreement of-5th May 1890 (between the Government of IIIs Highness the Gaekwar of Baioda and the Bombav. Baroda and Central India Railway Company) for working.

Contract of-1st February 1901 (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) as to percentage of working charges

The general conditions are as follows .

Government and -Nil The line is the property of the Baroda State

Either party may terminate the agreement at any time on giving one year's Currency of agreement -Power to determine agreement notice

Terms of working —The railway is debited with a share of the working expenses of the system (which may include any single item of capital expenditure, not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of an amount bearing the same percentage of gross receipts as obtains for similar exponditure on the Bombay, Baroda and Central India railway) excluding 2' and 2' 6" gauge lines, in proportion to the total earnings of the Potlad-Cambay, Gackwar's Mehsana and Vijapur-Kalol-Kadi railways

Rates and fares -To be fixed from time to time by the Company with the approval of His Highness' Government and, as far as possible, to conform with those generally in force on the Bombay, Baroda and Central India railway

Statistics of working-

| TAB | LL I | | | | | TABL | ЕΠ | |
|--------------------------------------|---|--|--|---------------------------------------|----------------------------------|---|---|---|
| | Capital | G | Not | Per cent on | Gapuwap's Petlad, 5' 6' | | PETLAD CAMBAY (AMAND TARAPUR SECTION), 5 6' | |
| CALENDAR YEAR | ontlay to end of each year | Gross carnings | carpings | capital ontlay | Tarnings per mile per weel | Proportion of expenses to carnings | Earnings per mile per week | Proportion of expenses to carnings |
| 1888 | Rs 11,030 | Rs | Rs | | Rs | | Rs | |
| 1899 1890 | 4,71,822 6,47,932 | 82,649 | 20,870 | 3 22 | 71 | 36 08 | | } |
| 1891 1892 1893 1894 1895 | 7,10,118 7,11,081 7,12,768 7,23,482 7,23,139 | 59,113 61,213 63,953 69,668 73,891 | 36,946 34,757 40,627 44,037 46,591 | 5 12 4 89 5 70 6 09 6 11 | 85 88 92 100 106 | 38 51 43 25 36 47 36 79 36 96 | | |
| 1696 1897 1898 1899 1900 | 7,23,616 7,55,769 7,49 047 7,52,439 7,52,097 | 1,17,540 64,737 51,121 70,668 88,481 | 82,847 33,946 28,156 39,312 41,713 | 11 45 4 19 8 76 5 22 5 55 | 169 93 74 102 127 | 29 52 47 56 41 92 44 37 52 86 | | |
| 1901 (| 11,86,381 11,85,030 11 48,092 11,46,552 11,31,273 | 93,233 1,05,951 98,451 1,20,974 1,40,463 | 51,769 56,818 50,289 64,876 81,966 | 4 36 4 79 4 38 5 66 7 25 | j | | 101 95 88 108 126 | 44 47 46 37 48 92 46 37 41 65 |

2 (e) Petlad Cambay railway (Tarapur-Cambay section) (5' 6" gauge)—

Details of construction-

This section of the Petlad-Cambay railway is 12 31 miles long, which includes the length of 1 39 miles from Cambay to Cambay Bandar, opened in 1906 It was sanctioned in 1893 and was opened to Cambay in 1901

Permanent-way -The permanent-way consists of 661-lb flat footed steel iails on creosoted pine sleepers

Ballast -The line is ballasted with gravel

Fencing —Only station yards are fenced

Curves —The sharpest curve is of 1,910 feet radius

Gradients -The ruling gradient is I in 600, with a little bit of I in 200 between Sayama and Cambay.

Terms of contracts-

The line is owned by the Cambay State and worked under-

Agreement of-17th May 1902 (between the Cambay State and the Bombay, Baroda and Central India Railway Company) for working

The general conditions of the agreement are as follows -

Government and -N11 The line is the property of the Cambay State.

Currency of agreement — } The agreement may be terminated at any time on one year's notice from either party expuine on the 20th Tone - 21/ Ton party expains on the 30th June or 31st December in any year.

History of rarlways constructed and in progress
[For Index see page 106]

Number Main head 2 Sub heads (a) to (o)

BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—contd

2 (e) Petlad Cambay railway (Tarapur-Cambay section) (5' 6" gauge)—concld

Terms of contracts-concld

Terms of working—The railway is debited with a share of the working expenses of the system (which may include any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of an amount bearing the same percentage of gioss receipts as obtains for similar expenditure on the Bombay, Baroda and Central India railway) excluding 2' and 2' 6" gauge lines, in proportion to the total earnings of the Tarapur-Cambay railway

Rates and fares —To be fixed from time to time by the Company with the approval of the Cambay State and as far as possible, to conform with those generally in force on the Bombay, Baroda and Central India railway.

Statistics of working-

| Table | | TABLE II | | | | |
|-----------------------------|--|---------------------------------------|---|--------------------------------------|----------------------------------|---|
| Calendar year | Capital outlay to end of each year | Gross carnings | Net earnings | Per cent. on capital outlay | Carnings per mile per week | Proportion of expenses to carnings |
|)1)2)3)4 • • | Rs 7,49,676 7,49 676 7,49 676 7,68 728 8,06,482 | Rs 12,011 25,497 25,151 32,199 33,638 | Rs 5 950 13 622 12 803 17,276 19,603 | 0 79 1 81 1 71 2 25 2 43 | Rs 40 45 44 57 59 | 50 46 46 57 49 10 46 35 41 72 |

(f) Tapti Valley railway (5' 6" gauge)-

etails of construction-

This railway connects Kankra Khan, a station on the main line of the Bombay, Baroda and Central India railway, ith Amalner It is 155 48 inites long. It was opened in 1900

Permanent-way - The permanent-way consists of 70-lb flat-footed steel rails on wooden sleepers

Ballast -The line is ballasted throughout with stone

Fencing -Only station yards and important level erossings are fenced

Curves - The sharpest curve is of 1,910 feet radius

Gradients -The ruling gradient of the line is 1 in 200

orms of contracts-

The line is owned by the Tapti Valley Railway Company and worked under the following contracts -

Contracts of-28th August 1896 (between the Secretary of State and the Tapti Valley Railway Company) for construction

30th October 1896 (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) for maintenance and working

1st February 1901 (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) as to percentage of working charges

The general conditions of the contracts are as follows -

Government and —A rebate is allowed up to 10 per cent of the gross earnings of the Bombay, Baroda and Central India and Rajputana-Malwa railways from traffic interchanged with the Tapti Valley railway, so as to make up an amount equal to interest for the year at the rate of 4 per cent per annum on the actual capital expenditure, plus a sum of Rs 6,000 per annum towards the Company's office expenses and expenses of management. Land in British territory was provided free

Currency of contracts—Government may, by giving 12 months' notice, determine the contracts on the 31st December 1921, or at the end of any subsequent period of 10 years, paying the Company in rupees a sum equal to 25 times the average yearly net earnings of the Company during the last preceding five years, provided that such sum shall not exceed by more than 20 per cent' the total capital expenditure of the Company or be less than such capital expenditure, or Government may determine it on the 31st December 1950, paying the Company in rupees an amount equal to the total capital expenditure

Power of Company to surrender contract -N1

Terms of norking—Government undertake to construct (from funds supplied by the Company), work and maintain the line through State of other agency, the necessary rolling-stock being supplied by the working agency. The general working expenses of the system, excluding the 2' and 2' 6" gauge lines, are divided in proportion to the gross earnings of the component parts, the Tapti Valley railway being debited with the share thus arrived at (which may include any single item of capital expenditure, not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 20 per mile of line open in each half-year), subject to a maximum charge of 44 per cent. of its gross earnings for the year. The residue of the gross earnings is payable to the Tapti Valley Railway Company.

History of railways constructed and in progress [For Index see page, 106]

Number Main head 2 Sub heads (a) to (o). BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—contd.

2 (f) Tapti Valley railway (5' 6" gauge)-concld

Terms of contracts-concld

Rates and fares —To be arranged from time to time between Government and the working agency within the maximum and minimum rates and fares for the time being in force on the Bombay, Baioda and Central India railway

Statistics of working-

| | | | | Taele I | | | | TAI | ers II | |
|--------------------------------------|---|---|---|---------------------------------------|---|--|---|----------------------------------|---|--|
| C don dar year | Capital outlay to oud of each year | Groca carnings | Net carnings | Percentage on capital outlay | Robato from B,B&CI Ry | Total income | Por cent. of total income on capital outlay | Earnings por mile per week | Proportion of expenses to carnings | Remarks - |
| | $R_{\mathbf{S}}$ | Rs | Rs | | Rs | R« | | Rs | | |
| 1896 1897 1898 1899 1900 | 8,390 20,96,294 60,45,118 1,21,09,133 1,28,31,291 | 2,836 2,42 593 6 68,175 | | | | ī | | 18 71 84 | 48 70 47 40 41 00 | The net carnings for 1898, 1899 and 1st half of 1900 were credited to interest on cupital and those for 2nd half of 1900 (including rebate) were treated as a set off against the charge to capital for interest in the accounts for 1st balf of |
| 1901 1902 1903 1904 1905 | 1,29 18,730 1 29 70 581 1 30 02 400 1 90 77,018 1,30,83,639 | 6,00 553 8 26,485 8 62 753 6,58,740 10,11,222 | 8,42 243 4,64,242 483 142 3 63 894 5,86,921 | 2 65 77 72 3 72 2 82 4 49 | 33,226 45,196 40,258 28,441 2,928 | 3,75 469 5 08,438 5,23,400 3,97,135 5,8°,819 | 2 90 3 92 4 03 3 04 4 51 | 74 102 107 81 125 | 43 01 43 95 44 00 41 00 41 95 | Excluding interest, Rs 4,483, on the capital cost of works at Amalier junction, the percentage of income on capital ontlay in 1903 was 4 00 |

2 (g) Ahmedabad-Dholka railway (3' 3%" gauge)-

Details of construction-

This railway connects Sabai mati, a station on the Rajputana-Malwa railway, with Dholka It is 33 50 miles long Its construction was sanctioned in 1901 and it was opened in 1903

Permanent-way —The permanent-way consists of 414-lb flat footed steel rails on decodar sleepers

Ballast -Ballast is provided only at points and crossings, and for 100 feet on each side of budges and level crossings

Fencing -Only station yards are fenced

Curres - The sharpest enrve is of 1,146 feet radius

Gradients -The ruling gradient is 1 in 150.

Terms of contracts-

The railway is worked under the following contracts -

Contracts of -25th March 1902 (between the Secretary of State and the Ahmedabad-Dholka Railway Company) for construction

18th July 1902 (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) for working

The general conditions of the contracts are as follows -

Government and —A rebate is allowed up to 10 per cent of the gross carnings of the Bombay, Baroda and Central India and Rajputana-Malwa initways from traffic interchanged with the Ahmedabad-Dholka railway so as to make up in amount equal to interest for the year at the rate of 4 per cent per annum on the actual capital expenditure plus Rs 5,000 per annum towards the Company's office expenses and expenses of management. Land provided free

Currency of contracts—Government may, by giving 12 months' rotice, determine the contracts on the 30th June 1922 or at the end of any subsequent period of ten years, paying the Company in tupies a sum equal to 25 times the average yearly net earnings of the Company during the last preceding three years, but not exceeding by more than 20 per cent the total capital expenditure of the Company, nor being less than such capital expenditure

Power of Company to surrender contracts -N11

Terms of working—The rulway is debited with a share of the working expenses of the system (which may include any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 20 per mile of line open in each half-year) excluding the 2' and 2' 6" gauge lines, proportionate to its total cannings, but not exceeding 44 per cent of its gross earnings for the year. The not earnings thus arrived at are physble to the Ahmedabad-Dholka Railway Company

Rates and fares —To be arranged from time to time between Government and the working agency within the maxima and minima rates and fares in force on the undertaking

History of railways constructed and in progress [For Index see page 106]

Number Main head 2 BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—contd.

2 (g) Ahmedabad-Dholka railway (3' 3 g gruge)—concld

Statistics of working-

| | | | Fable I | | | | | TABLE II. | |
|----------------------|---|----------------------------------|----------------------------------|----------------------|----|----------------------------------|----------------------|----------------------|-------------------------|
| Calendar year | Calendar year Capital ontlay to end of each year Carnings Calendar year Capital ontlay to end of each year Carnings Carnings Carnings Capital ontlay Capital ontlay Capital ontlay Capital ontlay Capital ontlay Capital ontlay | | | | | | | | |
| 1903 1904 1905 | Rs 10 13 420 10,17,308 10,44 995 | Rq 64,261 99 014 98 214 | Rs 35 986 55 465 57 203 | 3 55 5 15 5 47 | Rs | Rs 35 986 55 465 57 203 | 9 55 5 45 5 47 | Rs 45 57 56 | 44 00 44 00 41 76 |

2 (1) Ahmedabad-Parantij 1 ailway (3' 3%" gauge)—

Details of construction-

This railway connects Ahmedadid, a station on the Bombiy, Baroda and Central India railway, with Idar Road It is 54 70 miles long. Its construction was sanctioned in 1896 and it was opened in 1897

Permanent-way — The permanent-way consists of 411-lb flat-footed steel rails on creosoted pine and deodar sleepers

Ballast — The line is ballasted with kunkur, sand and stone

Fencing -Only station yards are fenced

Curves —The sharpest curve is of 1,146 feet radius

Gradients -The ruling gradient is 1 in 150

Telms of contracts-

The Ahmedabad-Parantij railway is worked under the following contracts -

Contracts of—13th March 1896 (between the Secretary of State and the Ahmedabad-Parantij Railway Company) for construction

4th June 1896 (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) for working

1st February 1901 (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) as to percentage of working charges

The general conditions of the contracts are as follows -

Government and —A rebate is allowed up to 10 per cent of the gross earnings of the Bombay, Baroda and Central India and Rajputana-Malwa railways from traffic interchinged with the Ahmedabad-Parantij railway so as to make up an amount equal to interest for the year at the rate of 4 per cent per annum on the actual capital expenditure, plus Rs 5,000 per annum towards the Company's office expenses and expenses of management. Land provided free

Currency of contracts —Government may, by giving 12 months' notice, determine the contracts on the 31st December 1917 or at the end of any subsequent period of ten years, paring the Company in rupees a sum equal to 25 times the average yearly net earnings of the Company during the list preceding five years, but not exceeding by more than 20 per cent the total capital expenditure of the Company, not being less than such capital expenditure, or on the 31st December 1946 paying the Company in rupees an amount equal to the total capital expenditure

Power of Company to surrender contracts -N11

Terms of working—The rulway is debited with a chare of the working expenses of the system (which may include any single item of capital expenditure, not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 20 per mile of line open in each half-year) excluding the 2 and 2' 6" gauge lines, proportionate to its total earnings but not exceeding 41 per cent of its gross earnings for the year. The net carnings thus arrived at are payable to the Ahmedabad-Parantij Rulway Company.

Rates and fares —To be arranged from time to time between Government and the working agency within the maximum and minimum lates and fares in force on the Rajputana Malwa railway

Statistics of working-

| | , Table I | | | | | | | | | | |
|--|--|---|--|--|---------------------------------|--|---|----------------------------------|--|--|--|
| Calendar year | Capital outlay to end of each year | Gross earnings | Net earnings | Porcentigo on capital outlay | Rebate from B, B & C I Ry | 16641 | Per cent of total income on capital out lay | Earnings per mile per week | Pro of exp to carn- ings | | |
| 1896 1897 1893 1899 | Rs 13,12 752 19,42,211 19 42 971 19 49,616 | Rs 69 069 1,49 790 2,10,634 | Rs 36,665 8 ,836 1,21,687 | 1 89 4 42 6 24 | Rs | Rs 36,665 85,836 1,21,687 | 1 89 4 42 6 21 | Rs • 46 33 74 | 46 92 42 70 42 23 | | |
| 1900 1901 1902 1903 1903 1905 | 19 57,305 19 49,955 19,70 012 19 88 859 19 89 045 19 91 753 | 2 65 10 1 1,77,438 1,70,794 1 50 112 1 86 227 1 98 713 | 1,55,952 99,365 1,00,485 84,063 1 04 287 1 15 469 | 7 93 5 10 5 11 4 45 5 24 5 80 | | 1,55 952 99,365 1,00 685 84,063 1,04 287 1 15 469 | 4 45 5 21 | 93 62 63 53 65 70 | 41 17 41 00 40 01 44 00 41 00 41 69 | | |

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 2 BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—contd

2 (1) Gaekwar's Mehsana railway (3' 33" gauge)-

Details of construction-

The total length of this rulway is 92 63 miles. It consists of three branches, Mebsana to Kheralu, 27 73 miles, Mehsana to Viramgam, 40 21 miles, and Mehsana to Patan, 24 69 miles The first branch was opened throughout in 1888 and the other two in 1891

Besides the above 38 11 miles were sanctioned for constitution in 1905

Permanent-way —The Kheralu and Vnamgam branches are laid with 414-lb flat-footed steel rails on transverse steel and deodar sleepers The Mehsana-Patan section is laid with 40-lb non rails on deodar sleepers, except in station yards and for the first 3 miles which are laid with 414-lb steel iails

Ballast —The line between Mehsana and Kheralu is ballisted with sand and the rest with kunkur

Fencing—The whole line, except 414 miles which are fenced by wire, was originally fonced with cactus, but this has in several places been entirely destroyed by floods and locusts and what remains is much broken up

Curves—The sharpest curve is of 1,910 feet radius

Gradients —The ruling gradient is 1 in 150

Terms of contracts-

The railway is the property of the Biroda State and is worked under the following -

Agreement of—1st July 1891 (between the Government of His Highness the Gackwar of Baroda and the Bombay,
Baroda and Central India Railway Company) for working

Contract of-1st February 1901 (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) as to percentage of working charges

The terms of working are the same as on the Petlad-Cambay railway (Anaud-Tarapur section)

Statisties of working-

| | TABLE I. | | | | TABLE II | | |
|------------------------------|---|--|---|------------------------------|----------------------------------|----------------------------------|--|
| Calendar year | Capital outlay to end of each year | Groes carnings | Not earnings | Per cent on capital outlay | Earnings per mile per week | Pro of exp to carnings | |
| 1667 1888 1869 1890 | Rs 13 55,49 ° 9,16,565 11,18,446 25 44,340 | Rs 27,500 47,502 50,500 59,241 | R9 5,561 16,672 20,318 23,303 | 0 41 1 82 1 82 0 92 | Rs. 93 43 87 41 | 80 05 64 90 61 82 60 66 | |
| 1891 | 29,04 0 0 | 1,94,247 | 1,05,801 | 3 61 | 49 | 45 53 | |
| 1892 | 20,71,610 | 2 58 963 | 1,53,005 | 5 15 | 54 | 40 92 | |
| 1893 | 30,26,752 | 3,91,8 9 | 1,98,250 | 6 55 | 70 | 41 12 | |
| 1894 | 50,04 578 | 3 79 972 | 2,86 387 | 7 64 | 79 | 37 79 | |
| 1895 | 32,55,044 | 3,58,444 | 2,02,410 | 6 22 | 70 | 40 18 | |
| 1896 • | 32,61,148 | 4,23,283 | 2,71,262 | 8 32 | 88 | 35 91 | |
| 1897 | 32,63,910 | 3,39,125 | 1,18,953 | 8 63 | 70 | 16 58 | |
| 1898 | 32,62,612 | 3,46 491 | 1,99,052 | 6 07 | 72 | 42 55 | |
| 1898 | 32,83,612 | 3,71,160 | 2,16,654 | 6 60 | 79 | 42 40 | |
| 1900 | 33,01,950 | 4,28,545 | 2,36,754 | 7 17 | 89 | 44 75 | |
| 1901 | 93,49,911 | 3,92,227 | 2,15 111 | C 42 | 81 | 45 16 | |
| 1902 | 93,6,729 | 3,74,515 | 3,98,9.7 | 5 42 | 78 | 46 87 | |
| 1903 | 93,78,132 | 3 47 083 | 1,77 466 | 5 25 | 72 | 48 87 | |
| 1904 | 33,95,678 | 3 52 249 | 2 01 906 | 6 06 | 79 | 46 39 | |
| 1905 | 34,685 | 4 5' 184 | 2 62 901 | 7 65 | 94 | 41 86 | |

2 (1) Jaipur (Siwai Madhopui) railway (3' 32" gruge)-

Details of construction -

From Japur the Rajputana-Malwa iailway is utilized as far as Singanei, from which station this railway actually The open mileage (Sanganer to Nawar) is 32 18 miles—It was sanctioned in 1897 and was opened in 1905

There are 40 67 miles still under construction

Permanent-way —The permanent-way consists of 411-lb flat footed steel rails laid on deodar sleepers

Ballast—The line is ballisted with stone
Fencing—The line is unfenced except at stations and at points where the line closses the main load.

Curves—The sharpest curve is of 2,865 feet ladius

Gradient's -The limiting gradient is 1 in 250 in the down direction and 1 in 200 in the up direction.

Terms of contract-

These are under consideration

Statistics of working-

| | Table I | | | | | | | | | | |
|---------------|---|-------------------|-----------------|----------------------------|-------------------------------|------------------------------------|--|--|--|--|--|
| Calendar year | Capital outlay to end of the year | G1059 carnings | Not carnings | Per cent on expital outlas | Carnings por mile per week | Proportion of expenses to earnings | | | | | |
| | Ps | Re | Ps | | Rs | | | | | | |
| 1905 | 27,57,149 | 12,299 | 6 779 | 0 25 | 52 | 44 88 | | | | | |

2 (1) Palanpur-Deesa 1211way (3' 32" gauge)—

Details of construction-

This rulway is 17 28 miles long. Its constitution was sanctioned in 1892 and it was opened in 1893.

Permanent-way—The permanent way consists of 40 lb flat footed iron rails, except in station yards and the first 3 miles of line which are laid with 114-lb steel iails. The rails are laid on Denham-Olpherts' plate, east iron pot, and steel dish eover eleepers

History of railways constructed and in progress [For Index see page 106]

Main head 2 Number Sub heads (a) to (o)

BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM-contd.

2 (1) Palanpur-Deesa railway (3' 3%" gruge)-concid Details of construction-concld

Ballast — The line is ballisted with stone and sand. Fencing — The line is fenced throughout Curves — The sharpest curve is of 1,910 feet radius

Gradients —The ruling gradient is 1 in 150

Terms of contracts-

The railway is worked under-

Terms contained in letter No 44 Ry, dated the 30th March 1892, from the Government of India to the Secretary

of State, and letter No 62 Ry, dated the 23rd June 1892, from the Secretary of State to the Government of India Contract of—1st February 1901 (between the Secretary of State and the Bombay, Baroda and Central India Railway

Company) as to percentage of working charges

The general conditions are as follows Government and -The line is owned jointly by Government and the Palanpur Durbar

Currency of contract — The contract is coterminous with the Company's contract for working the Rajputana-Malwa railway In the event of the line being extended, Government can terminate the contract on giving the Company six months' notice

Power of Company to surrender contract -Nil

Terms of working -The railway is debited with a share of the working expenses of the system, excluding the 2' and 2' 6" gauge lines, in proportion to the total earnings of the Palanpur-Deesa railway, the net earnings thus arrived at in any half-year being divided between Government and the Palanpur Durbar in proportion to the capital provided by each after excluding from the Government capital the sum of Rs 25,117, the extra expenditure incurred in providing a 5' 6" gauge sub structure

Rates and fares -Same as on the Rajputana Malwa iailway

Statistics of working-

| | Table I | | | | | | | | | | | - YT |
|--------------------------------------|--|--|---|--------------------------------------|--|--|---|-------------------------------------|---|--|----------------------------------|---|
| | PALAN | PUP DEESA SECT | (VATIVE | STATE | Palanpup Dlesa (British section) | | | | | | Table II. | |
| Calendar 3 ear | Capital outlay to end of each year | Gross earnings | Net ourn 10gs | Per cent on capital outlay | Capital outlay to end of each year | Gross earnings | Net oarn | Per cont on expital ontlay | Iutorest | loss to the | Earnings per milo per week | Pro of exp to carnings. |
| | Ra | Rs | Rs | | Rs | Rs | Rs | | Rs | Rs | Rs | |
| 1892 1893 1894 1895 1896 | 20,000 1,85,000 1,85,000 1,85,000 1,85,000 | 2,255 17,381 17,643 22,864 | 1,335 11,365 11,383 14,101 | 0 72 6 14 6 13 7 62 | 47,746 1,78 953 2,14 601 2,15 374 2,32,746 | 2,181 20 163 20 509 28,765 | 1,110 11,781 11,512 15,073 | 0 63 5 49 5 35 6 47 | 1,031 5,371 8,783 8,378 9,149 | -1,031 -4,261 +2,993 +3,134 +5,923 | 83 41 42 57 | 44 87 38 45 40 17 43 50 |
| 1897 1893 1899 1900 | 1,85,000 1,85,000 1,85,000 1,85,000 | 19 133 16,893 19 739 21,084 | 10,883 10,334 12,102 14,238 | 5 88 5 59 6 54 7 70 | 2,33,264 2,°3,764 2,33 204 2,33,264 | 24,131 21,306 24 8-9 26,585 | 12,213 11,625 13,618 12,616 | 5 25 4 49 5 84 5 41 | 9,305 9,331 9,330 9,330 | +2,'97 +1,288 | 48 43 50 53 | 46 55 42 50 42 37 43 66 |
| 1901 1902 1903 1904 1905 | 1,85,000 1,85,000 1 85 000 1,85 000 1 85,000 | 16,279 14,777 13,0 13 12,79 2 16,395 | 9,375 8,129 7,423 7,250 9,169 | 5 07 4 50 4 01 3 94 5 12 | 2,33,264 2,36,7 6 2 97,069 2 37,069 2,57,069 | 20,526 18,913 16,701 16,993 18,783 | 10 748 8 730 7 893 8,349 10,948 | 4 52 8 54 7 33 3 2 4 58 | 0,330 9,108 9,432 9,174 4,172 | -1,078 -1 534 -1 134 | 41 37 33 32 39 | 45 87 47 01 48 47 46 13 42 21 |

2 (l) Rajputana-Malwa railway (3'33" gauge)-

The Maharaja Holkar lent the British Government one hundred lakks of rupees at 41 per cent per annum for the construction of the Khandwa-Indore section, and is entitled to a moiety of suiplus profits

The Maharaja Semdia lent the British Government seventy-five laklis of suples at 4 per cent per annum for the construction of the Indore Nermuch section and the branch to Ujjain

The Campore Achner live was leased to the Bombar, Baroda and Central India Railway Company on the 1st October 1886, and is now treated as an integral part of the Rapputana-Malwa railway

The Rajputana-Malwa railway system has been worked by the Bombay, Baroda and Central India Railway Company since the 1st January 1885

Details of construction-

The open mileage of the Rapputana-Malwa iailway is 1,782 38 miles. It is made up of the following sections —

(1) Rapputana section, main line (Delhi to Ahmedabad), 539 37 miles, Rewari-Bandikui Phuleii loop 173 89 miles; and branches, 139 28 miles, (2) Malwa section, main line (Khandwa to Ajmer), 39 19 miles, branch, 14 28 miles, (3) Caronpore-Achiera section, main line (Cawnpore to Achieri), 239 17 miles, branches, 21 33 miles, (1) Rewari Fazilka section, 261 57 miles

The Rajputana section was sanctioned in 1870 and was opened in 1881, the Malwa section was sanctioned in 1872, opened in 1881, the Campore-Achnera section was sanctioned in 1874, opened in 1884, and the Rewari-Fazilla. section was sentioned in 1881, opened in 1885 2 92 miles of the line are double track

Permanent-way — The Rapputana section is laid with 50 lb flit-footed steel rails on deodar sleepers section has mixed 40-lb non, 41\frac{1}{4}-lb and 50-lb steel flat-fcoted rails on deodar sleepers. The Cawapore-Achnera section has 41\frac{1}{4}-lb and 50 lb steel rails on deodar sleepers. The Rewart-Fazilla section has 41\frac{1}{4}-lb steel rails on deodar sleepers.

History of railways constructed and in progress.

[For Index see page 106]

Number $\frac{\text{Main head 2}}{\text{Snb-heads (a) to (o)}}$

BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM-contd.

2 (1) Rajputana-Malwa railway (3' 33" gauge)-contd.

Details of construction-concld

Ballast - The line is ballasted throughout with stone, kunkur, sand and hard quartz

Fencing—The total length of line fenced on the Rajputana section is 669 miles. The Malwa section is fenced for 93½ miles and at stations. The Cawnpore-Achnera section is fenced on both sides for 145½ miles on the main line, except for 7½ miles which are fenced on one side only. The Soron branch is fenced for 3½ miles and the Bundaban branch for 3½ miles. The Rewari-Bhatinda-Fazilka section is fenced for about 113½ miles and at stations. On the Rewari Phulera section only the Narnaul station yaid is fenced.

Curves -The sharpest curve is of 600 feet radius

Gradients —The ruling gradient is 1 in 150, except on the Malwa section between Khandwa and Kalakhund where it is 1 in 100 and between Kalakhund and Patal Pani where it is 1 in 40

Terms of contracts—
The Rajputana-Malwa and Godhra-Rutlam Nagda railways are worked together as one undertaking under the following contracts—

Contracts of—24th September 1884—The original contract (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) for maintaining and working the Rajputana Malwa railway

16th March 1888 — Contract supplemental to that of 1884 for maintaining and working the Cawnpore-Achiera railway as a part of the Rajputana-Malwa railway

8th November 1889 —Contract supplemental to those of 1884 and 1888 for maintaining and working the Brindaban branch as a part of the Cawnpore-Achnera railway

5th October 1893 —Supplemental to the original contract for maintaining and working the Godhra-Rutlam iailway as a part of the Rajputana-Malwa iailway

1st October 1897 —Supplemental to those of 1884 and 1893 for maintaining and working the Rutlam-Nagda railway as a part of the Godhra Rutlam iailway

1st February 1901 — Supplemental to those of 1881 and 1888 modifying the terms as to the division of working expenses

The general conditions of the contracts are as follows -

Government and -The line is the property of Government

Currency of contracts - The duration of the contracts is up to the 31st December 1905

Power of company to surrender contracts -Nil

Terms of working—The working expenses of the system (which may include any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Work' subject to a maximum charge on such account of Rs 20 per mile of line open in each half-year, and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government for supervision), excluding 2' and 2' 6" gauge lines, are pooled, and divided between the component parts of the system in proportion to the gross carnings of each. The net carnings thus arrived at of the Rajputana-Malwa, 3' 8\frac{3}{8}" gauge, and Godhra-Rutlam-Nagda, 5' 6" gauge, railways, are paid in full to Government

Rates and fares — Maximum and minimum lates and fares have been fixed within which the Company is authorised to vary the rates

Statistics of working-

TABLE I (including the Godhra Rutlam Nagda railway)

| TABLF I (including the Godhra Rutlam Nagda railway) | | | | | | | | | | | | | | | | |
|---|---------------|---|---|---|---|---|---|---|---|---|---|---|---------------------------------------|---|--|---|
| | Calendar year | | | | | | | | | Capital outlay to end of enoh year | Gross carnings | Not earmings | Per cent on enpital outlay | Interest | Company s share of net earnings | Gain or loss to the State |
| 1879 1880 1881 1882 1883 | | | | | • | : | • | | | Rs 7,06,47 %4 8 38 87 014 9 30,43,645 9 94 83 913 11,08,57,933 | Rs 38,64 997 59,12,511 94 70,410 1 14 82 614 1,35,61,166 | Rs 15,41,903 17,33711 35 96,014 52,84,668 63,39,208 | 2 18 2 07 \$ 86 5 31 5 72 | Rs 28,43,439 35,81,449 37,45,505 38,74,919 40,74,808 | Rs | Rs13,01,53618,47,7351,52,461 +-14 09,749 +-22,61,400 |
| 1834 1885 1886 1887 1888 | : | ٠ | • | | • | • | • | | | 11,92 03 595 12 22 63 117 12,80,59 407 12 8, 69 487 12,96 59 656 | 1 46 20 446 1,73 00 501 1,82,93 610 1,65,28 203 1,86,14 714 | 61,92,677 79 71,964 89,55,549 81,24,547 96,31,727 | 5 19 6 52 6 99 6 31 7 43 | 43,90,548 49,10 379 51,72 731 51,86,578 52 27,845 | 6,28,054 5,06,190 4,99,903 | + 18,02,129 + 30,61,585 + 31,54,764 + 24,31,779 + 39,04,174 |
| 1869 1890 1891 1892 1893 | • | | , | : | • | • | • | • | | 13,02 53 556 13 00,01,510 13,17 20 440 14,84 21,072 14,30 06,325 | 1 99,30 005 1,74 28 281 2,17 89 570 2 24 60,454 2,26,53,265 | 91,32,788 86,42 5.25 1,23,17,065 1,32,14,774 1,33,25,640 | 7 01 6 65 9 35 9 21 9 32 | 52,48,893 52,61,288 53,13,844 56,14,176 57,00,608 | 8,56,110 6,57,951 8,78,835 13,45,763 13,24,918 | +30,27,785 +27,23,256 +61,24,386 +62,51,835 +62,99,914 |
| 1894 1895 1896 1897 1898 | | : | | • | • | • | • | : | • | 14 72 89 588 15,55,56,871 15 03 08 948 14 94,51 054 15,03,74,730 | 2,51,41,200 2,45 42 974 2 10 21 002 1,84 74 358 2 23,17,315 | 1,54,75,342 1,44,02,358 1,13 79,807 1,00,97,008 1,19,05,991 | 10 51 9 26 7 57 6 76 7 91 | 59,77,844 59,78,606 60,63 242 60,48,581 60,77,309 | 15,63,148 16,21,635 9 93 351 5,09,720 9,53,967 | +80,34,350 +68 02,117 +43,23,214 +35,38,707 +48,74,715 |
| 1829 1900 1901 1902 1903 | : | | | : | : | : | : | | | 15,14 26,773 15 31,25,211 G15 43 58 624 15 61 35 415 15,78,84,717 | 2,60,94 541 2 91 75 054 2 78 72 296 2,58 96 694 2,27,25,664 | 1,47 30,148 1,60,55,0*0 1,48,89,645 1,36 25,409 1,12,42,860 | 9 73 10 48 9 65 8 71 7 18 | 60,92,658 61,35,151 61,89,498 62,81,515 62,84,957 | 9,92,964 21,67,610 13,785 5,644 | +76,45,126 +77,52,289 +86,86,362 +73,45,094 +50,51,759 |
| 190 1 1905 | : | • | • | | • | : | | | | 161731653 16,28,49,528 | 2 33 65,288 2,81,44,213 | 1,21,57,833 1,64,29,896 | 7 52 9 97 | 64,55,047 64,41,437 | | +57,02,786 +97,88,459 |

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 2 Sub heads (a) to (o) BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—contd

2 (1) Rajputana-Malwa railway (3' 3%" gauge) -concld

Statistics of working-conold

TABLE II

| | | | | | | | , | | IAB | OD II | | | | | | | | |
|---------------------------------------|------------------------------------|---|--|----------------------------------|--|-------------------------|--------------------------------------|-------------------------|--------------------------------------|---|--------------------------------------|--------------------------|--------------------------------------|-------------------------|--------------------------------------|-------------------------|---------------------------------|---|
| a., | M: | outana ilwa, 3," | Holka Sin Neer 8' | r and dia nuch, 3}" | Wes Rajpt 3' | itern itana, 93" | Rewari po | | Muttra 1 3' | Anthras, 37" | Cawn Taruk 3' | pore habad, 3½" | Muttra 3 | Achnera, Sg ' | Cawn Aehr 3' | pore iera, 3;" | Rn | dhra tlam gda, '6" |
| Calen dar your | | Pro of oxp to carn ings | Farn nugs per mile per week | Pro of exp to carn lugs | Earn ings per mile per week | Pro of exp to earn ings | Earn ings per mile per week | Pro of oxp to eirn ings | Earn ings per mile per week | Pro of exp to earn ings | Earn ings per mile per week | Pro of earn ings | Larn ings per mile per week | Pro of exp to earn ings | Earn ings per mile per week | Pro of exp to earn ings | | Pro of exp to earn ings |
| 1873- 1874 1875 1876 1877 | Rs 32 69 93 114 130 | 96 59 80 37 64 #4 65 40 67 49 | R ₅ 60 123 90 86 | 84 02 91 71 92 87 76 86 | Rs | 44 | Rs | | Rs 108 50 66 | 58 18 57 74 54 86 | Rs | | Rs | | Rs | | Rs | |
| 1878 1879 1880 1881 1882 | 136 153 152 189 188 | 61 97 66 74 66 88 60 41 53 07 | 122 128 118 132 | 67 50 71 53 74 74 69 11 | 86 151 | 86 08 85 79 | | | 65 83 89 90 84 | 53 33 54 97 57 35 69 19 76 97 | 18 65 80 | 233 15 69 76 67 36 | 39 57 | 89 01 86 42 | | | | |
| 1883 1884 1883 1886 1887 | 219 223 224 212 191 | 52 18 56 92 52 81 50 27 50 84 | | | | - | 75 96 | 81 28 67 28 | | Incl | udcd wri | th Cawn | ore Ach | nera | 80 81 70 | 63 98 69 17 87 87 | | |
| 1888 1889 1890 1891 1892 | 215 230 200 2 1 257 | 43 26 45 82 50 41 43 47 41 01 | | | | | | , | | | | | | | | | | |
| 1693 1894 1895 1696 1897 | 259 285 269 227 212 | 41 13 38 10 40 29 41 35 46 60 | | | | | | | | | | | | | | | 50 106 184 189 146 | 41 61 40 64 57 01 62 27 72 02 |
| 1893 1899 1900 1901 1902 | 211 235 317 313 201 | 47 83 42 06 43 18 46 29 47 54 | | | | | ۸. | | | | | | | | | | 181 172 219 156 140 | 51 14 58 34 46 84 45 15 46 27 |
| 1903 1904 1905 | 253 260 296 | 49 16 47 63 42 95 | | | | | | | | | | | | | | | 147 158 224 | 48 29 47 62 42 78 |

2. (m) Vijapur-Kalol-Kadi i ailway (3' 3%" gauge)-

Details of construction-

This railway is 41 37 miles long Its construction was sunctioned in 1899 and it was opened in 1903.

Permanent-way -16 miles are laid with 411 lb flat-footed steel lails and 25 miles with 40-lb flat-footed iron rails on deodar sleepers

Ballost -The line is ballasted with broken stone and shingle

Fencing —Only station yards and 11 07 miles of the Vajapur-Kalol section are fenced Curves —The sharpest curve is of 3,820 feet radius.

Gradients -The ruling gradient is 1 in 150

The failway is the property of the Baroda State and is worked under the following

Agreement of -231d November 1903 (between the Government of His Highness the Gaekwar of Baroda and the Bombay, Baroda and Central India Railway Company) for working

Contract of—1st February 1901 (between the Secretary of State and the Bombay, Baroda and Central India Railway Company) as to percentage of working charges

The terms of working are the same as on the Petlad-Cambay railway (Anand-Tarapur section)

Statistics of working-

| | | TABLE II | | | | | |
|--------------------------------------|---------------|--|--------------------------------------|-------------------------------------|-------------------------------|-------------------------------|----------------------------------|
| | Calendar year | Capital ontlay to end of each vear Gross earnings | | Net carnings | Per cent on capital ontlay | karnings per mile per week | Pro of exp to earnings |
| 1899 1910 | 4 | Ri 7,534 29,885 | Rs | Ra • | Q | Rs | |
| 1901 1902 1903 1904 1905 | | 6,60 716 10,47,188 11,84,'46 13 30,402 18,19,086 | 19,514 56,916 74 572 87,131 | 9,226 28 782 40,083 50,496 | 1 18 2 43 3 00 3 83 | 23 81 35 40 | 52 72 49 43 46 25 42,05 |

History of railways constructed and in progress [For Indox 800 page 106]

Number Main head 2 Sub heads (a) to (o) BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—contd.

2 (n) Gaekwar's Dabhoi railway (2' 6" gauge)-

Details of construction-

The total length of the railway is 94 49 miles. It consists of three sections, Miyagam to Chindod, 30 62 miles, Dablioi to Bodeli, 22 41 miles, and Dabhoi to Masor Road, 41 46 miles. The construction of these sections was first sanctioned in 1872, 1877 and 1879, respectively, and they were opened throughout in 1879, 1890 and 1904, respectively.

Permanent way —The line is laid with 31-lb. flat-footed steel rails on woodon sleepers, but there are still about 5 miles of 28-lb iron rails in the road

Ballast -The lmo is chiefly ballasted with sand

Fencing -Tho line is practically unfenced except in station yards

Curves -The sharpest curvo is of 500 feet ladius.

Gradients - The ruling gradient is 1 in 400, with small lengths of 1 in 200 and 1 in 300

Terms of contracts-

The line is owned by the Baioda State and worked under-

Agreement of—1st January 1897 (between the Government of IIIs Highness the Gaekwar of Baroda and the Bombay, Baroda and Central India Rulway Company) for working.

The general conditions of the agreement are as follows -

Government and -Nil The line is the property of the Baroda State.

Currency of agreement —The agreement may be terminated at any time on one year's notice from either side to expire on the 30th June or 31st December

Terms of working —The Company work the railway at actual cost, plus 121 per cent of total working expenses (but not less than Rs 500 per mensem or more than Rs 500 per mensem, in a balf-year) for superintendence

Rates and fares—The rates and fares are fixed from time to time by the Company with the approval of His Highness' Government, and as far as possible must conform generally with those in force on the Bombay, Baroda and Central India railway.

Statistics of working-

| _ | | | TABLE I | | | | TABLE II | | |
|--------------------------------------|-----------|--|--|--|--------------------------------------|--|-----------------------------------|--|---|
| Cale | ndar year | Capital outlay to end of each year | Gress carnings | Not earnings | Per cent on capital ontlay | Calendar year | Earnings per mile per week. | Pro of exp to carnings | Remares |
| 1879 1680 1681 1882 1683 | : | Rs 9 62,450 11,65,540 12,57,448 12,78,942 12,73,650 | Rs 72,083 1,28,825 1,41,233 1,44,022 1,46,970 | Rs 31,608 65,193 48,849 46,747 38,585 | 3 28 5 59 3 89 8 66 3 05 | 1878 1874 1875 1876 1877 | Rs. 21 32 33 38 45 | 98 34 75 78 78 11 75 35 78 20 | |
| 1884 1885 1886 1887 | | 12,80,17, 13,11,229 13,58,502 13,46,259 | 1,49,091 1,52,283 1,53,699 1,56,352 | 48,560 55,623 39,393 47,339 | 3 80 4 21 2 90 3 52 | 1878 1879 1880 1881 1882 | 43 46 51 46 47 | 62 42 56 15 49 44 65 41 67 54 | |
| 1888 | | 13,74,295 | 1,45,757 1.42,989 | 49,85 <u>1</u> 49,398 | 3 19 3 P7 | 1883 1884 1685 1886 1887 | 48 49 50 50 51 | 73 75 67 43 63 47 74 37 69 78 | |
| 1890 1891 1892 1893 | • | 16,10,398 17,53,877 17,91,157 18,47,403 18,55,158 | 1 9 3,028 2,01,165 3,38,609 2,52,106 | 74,570 69,126 1,06,510 1,32,507 | 4 25 8 80 5 77 7 14 | 1888 1889 1890 1891 1892 | 48 47 57 54 64 | 69 91 65 45 61 76 66 13 55 36 | |
| 1894 1895 1896 1697 1898 | | 18,88,774 19,08,757 20,74,756 21,08,574 21,18,491 | 2,40,916 2,34,473 2,56,788 2,20,901 2,10,240 | 95,429 96,764 1,25,657 50,949 -26,592 | 5 05 5 02 6 06 2 42 | 1893 1894 1895 1896 1897 | 68 65 63 69 56 | 47 44 60 29 58 73 51 44 76 94 | |
| 1899 1900 1901 | • | 21,17,586 21,17,586 21,14 302 22 34,829 | 2,45,974 2,35,281 2,53,936 2,22,573 | 87,571 61,605 73,427 76,867 | 4 14 2 44 3 47 8 62 | 1898 1699 1900 19 01 1902 | 51 60 57 62 54 | 112 65 64 40 73 82 71 08 65 69 | |
| 1903 1903 | 1 | 23,60,528 | 2,60,550 (4 | 7,467 | 0 32 | 1903 | 60 | 97 13 | The decrease in net earnings in 1903 was due principally to the cost of 3 engines hav |
| 1904 1905 | 1 | 24,61,882 24,72,909 | 2,98,906 3,72,167 | 1,26,426 2,01,001 | 5 13 8 25 | 1904 1905 \ | 65 76 | 57 70 45 23 | ing been charged to Revenue |

History of railways constructed and in progress [For Index see page 106]

Number Main head 2 BOMBAY, BARODA AND CENTRAL INDIA RAILWAY SYSTEM—concld

2 (o) Rajpipla railway (2' 6" gaugo)-

Details of construction-

This line, which connects Anklesvar with Nandod, is 37 37 miles long. Its construction was sanctioned in 1894, and it was opened in 1899.

Permanent-way — The line is laid with 414-lb flat-footed steel rails on half-round jungle teak sleepers

Ballast -The line is chiefly ballasted with coarse river sand

Fencing -Only the station yards and small lengths at miles 4 and 9 are fenced

Curies -The sharpest curvo is of 1,432 feet radius

Gradients -The ruling gradient is 1 in 150

Terms of contracts-

The line is owned by the Ruppipla State and is worled under-

Agreement of-19th March 1900 between the Rajpipla State and the Bombay, Baroda and Central India Railway Company

The general conditions of the agreement are as follows -

Government and -Nil The line is the property of the Rajpipla State

Currency of agreement —The agreement may be terminated by either party on the expiration of three years or at the end of any calendar half-year thereafter, on one year's notice from either side

Terms of working —The Rajpipla State is debited with the netual cost of working, and in addition one per cent on the net carnings of the Rajpipla railway as contribution to the Pievident Fund and 12½ per cent on total working expenses (but not less than Rs 300 per mensom or more than Rs 800 per mensom) for superintendence.

Rates and fares —To be fixed from time to time by the Company with the approval of the Rajpipla State, and to conform with those generally in force on the Bombay, Baroda and Central India railway

Statistics of working—

| | | TABLE II | | | | | |
|--------------------------------------|---------------|---|--|--|--------------------------------------|-------------------------------|---|
| | Calendar Fear | Capital outlay to end of each year | end of each Gross carnings Not For control ont | | Per cent on capital outlay | Earnings per mile per wook | Pre of exp to earnings |
| 1674 1895 | | Rs 12 674 77,26a | Re | Rs | | Rs | |
| 1896 1697 1698 1699 1900 | • | 4,09 141 7,55 792 11,03 333 13,07,820 13,10,159 | 5,705 10 024 35 809 49,463 | -0,531 -9,172 8,478 12,139 | 0 65 0 93 | 11 11 22 25 | 214 †9 186 53 76 32 75 46 |
| 1901 1902 1903 1904 1905 | | 13,06 822 13,05,415 13,04 281 13,04,5-2 13 04 523 | 47,182 39 726 44 830 49 207 62 017 | 10,487 10,131 10 674 16,890 28 194 | 0 80 0 78 0 82 1 29 2 16 | 24 20 28 25 32 | 77 77 73 84 76 19 62 68 54 54 |

Number Main head 3 EASTERN BENGAL (STATE) RAILWAY SYSTEM—

Lines comprising the system -The Eastern Bengal (State) railway system is made up of-

| | Open line | Under construction or superiored for construction | Total |
|---|-------------------------|---|-------------------------|
| | Miles | Miles | Miles |
| (a) Eastern Bongal (State) railway, Eastern, Southern and Central sections (5' 6"grauge) | 491 99 | 11 00 | 508 °5 |
| Eastern Bengal (State) railway, Northern, Behar, Dacca and Kannia Dhibri sections (3' 3' gauge) (b) "Cesta Kurigram" | 682 00 | 263 12 | 945 12 |
| (b) branches and British section o (2'6' gange) (c) Mymensingh Jamalpor Jagannath (d) Cooch Behar railway (2'6' gange) | 55 03 50 69 33 60 | | 55 03 50 69 88 60 |
| Total | 1,319 27 | 274 12 | 1 59° 39 |
| Running powers— | | | |
| Foreign line over home line East Indian railway [Nathati to Brace Bridge Junction] Lanal Junction to Chitpore April 100 goods trains only | • | \$\frac{82.75}{1.75}\$\$\frac{1.75}{84.00}\$\$ | |
| | | | |

3 (a) Eastern Bengal (State) railway, Eastern, Southern and Central sections (5' 6" gauge)—
Details of construction—

The open mileage of the standard gaugo portion of this system amounts to 497 95 miles, which may be divided into (1) Eastern section, main line, 145 07 miles, branches, 154 37 miles, (2) Southern section, main line, 29 20 miles, branches 41 62 miles, (3) Central section, main line, 104 51 miles, branches, 23 18 miles. There are 112 21 miles of double line Besides the above there are under construction 8 75 miles of single, and 2 25 miles of double line, and 2 99 miles of double line are being quadrupled.

History of railways constructed and in progress. [For Index see page 106]

Number Main head 3 EASTERN BENGAL (STATE) RAILWAY SYSTEM—contd

3 (a) Eastern Bengal (State) railway, Eastern, Southern and Central sections (5' 6" gauge)-concld Details of construction-concld

Sanction was first given to the construction of the above mentioned sections of the Eastern Bengal (State) railway in 1859, 1862 and 1881, respectively, and they were opened throughout in 1871, 1863 and 1884

Permaneut way - The permanent way on the double line portion of the Eastern section consists of 73 lb and 75-lb double beaded steel rails, with Denham-Olpherts' east iron sleepers, except on the length between Calcutta and Naihati which is laid with 85 lb bull-headed steel iails, with sal and jurnah sleepers at the joints. The single line portion of the Eastern section is also laid chiefly with 73-lh and 75 lb double headed steel rails, the greater put on Denham and Olpherts' cast aron electers and the remainder on east aron bowl and sal wood sleepers. The Murshidabad branch is laid with 75-lb

now pattern flat-footed steel iails on sal sleepers
The double line portion of the Southern section and the Budgo Budge branch are laid with 73 lb double-headed steel rails on Denham and Olpherts' cast iron sleepers. The single line of the Southern section consists of 72 lb and 73-lb double beaded iron and steel rails mostly on Denham and Olpherts' cast iron sleepers. The Diamond Harbour branch is laid with 64 lb and 73-lb double-headed steel rails mostly on Denham and Olpherts' east iron sleepers.

The Central section is laid with flat footed steel rule 62 lbs to the yard on sal sleepers

Ballast—The main line is ballasted throughout with brick ballast. Where 85 lb bull-headed rails have been lind, brick

ballast has been replaced by stone, and it is intended to stone billist all trick hid with 85-lb rills

Fencing —The whole of the Eastern section is fenced, everpt between Pinehooria Junction and Gorlundo, and the Fridpur branch The Southern section is fenced as far as Sonarpur, beyond Sonarpur to Canning there is no fencing The Diamond Harbour and Budgo Budge branches are fenced The Central section is fonced throughout

Curves -Tho sbarpest curvo is of 1,000 feet indius

Gradients — The ruling gradient is 1 in 300

Terms of contracts - Nal The line is owned and worked by the State

Statistics of working -Sec pages 125 and 126

3 (6) Eastern Bengal (State) 1 ailway, Northern, Behar, Dacca and Kauma-Dhubri sections (3' 3\frac{3}{2}" gaugo). Details of construction-

The metre gauge section comprises an open mileage of 682 00 miles and may be divided into (1) Northern rection main lino, 196 85 miles, brinches, 116 46 miles, (2) Behar section, main line, 84 86 miles, brinches, 102 42 miles, (2 Dacca section, 85 92 miles, (4) Kaunia Dhuber rection, main line, 51 02 miles and extension, 1 + 47 miles

In addition to the above 263 12 miles are under construction

Sanction was first given to the construction of the above mentioned sections in 1871, 1881, 1882 and 1899, respec

tively, and they were opened through in 1878, 1889, 1885 and 1902

Permanent way — The permanent-way consists of flat footed steel rule, weighing 50 lbs and 114 lbs per yard, on so On the Northern section, Sala to Siligui, and the Brahmaputia-Sultanpur branch and on the Lauma Bonarpar extension of the Kauma-Dhubu section, the rails are 50 lb On the Behar and Kauma-Dhubu sections, Mamhari ghat i Dhubri, the greater rait of the rails are 50-lb, and the remainder aro 414-lb. On the Kosi bi meh and the Dacca section the rails are all 414-lb. On the Busoi-Kissenginge branch the rails are mostly flat-footed non, 40 lbs per yard, the remainder being 414-lb steel. The sleepers are mostly sal, but there are also metal sleepers of various types.

Ballast —The whole of the line, except the portion from Golakganj Junction to Dhubri and the Kauma-Bonarp ir extension, is ball isted or shortly to be ballasted. The ballast is brick, stone and shinglo Fencing—The whole of the 3 3% gauge lines are fenced except the Brahmaputra Sultanpur and Barsoi-Kissengung bianches, the Kauma-Bonarpara extension and the portions from Golakganj Junction to Dhubri and Dacca to My mensingly Curves —The sharpest curve is of 1,416 feet radius.

Gradients -The ruling gradient is 1 in 200

Terms of contracts - Tho line is owned and worked by the State

Statistics of working -See pages 125 and 126

3 (t) Eastern Bengal (State) railway, Ranaghat-Krishnagar and Teesta Kurigram branches, and the British section c the Santrabari extension (2' 6" gauge)-

The Teesta-Kungram branch was originally a portion of the 2' 6" gauge lines from Teesta Junction to Mogalhat an Jatrapur, known is the Kannia Dhailla branch. The line from Teesta Junction to Mogalhat has been converted to the 3' of gauge to form an integral part of the "Kannia-Dhubu section". The line from Kungram to Jatrapur has been abandoned The Ranaghat-Kaishnagai branch has been amalgamated with the Eastern Bengal (State) iailway system from 1st July 1904

Details of construction-

The Ranaghat Kiishnight branch is 20 25 miles long. Its construction was sinclined in 1895 and it was opened in

The Teesta-Kungram branch is 14 99 miles long, it was opened in 1881

The British section of the Santi ibari extension of the Cooch Behai State inilway is 1979 miles long. Its construe tion was sanctioned in 1897 and it was opened in 1901

Permanent-way — On the R magnet-Kushnagu and Teesta-Knugram branches the rule are flat footed steel, 25 lbs yard, the sleepers are pymkado and sal On the Santiaban extension the rails are flat-footed iron, 40 lbs per yard and flat-footed steel, 414 lbs per yard, laid on sil sleepers

Ballast -The Ranghat Krishnagar branch is brick ballasted, the Teesta-Kurigram branch is not ballasted, and the Santrabara extension is now being ballasted with stone

Fencing -- No lines on the 2 6" gauge are fenced

Crives -- The sharpest curve is of 500 feet radius

Granients -- No grade on the Kanaghat-Kushnagar and Teesta-Kungram hranches exceeds 1 in 200 On the Santiabail extension the ruling gradient is 1 in 100, and there is a short grade of 1 in 50 near the termions (Jainti).

Terms of contracts.—The line is owned and worked by the State.

Statistics of working -See pages 125 and 126.

History of antways constructed and in progress. [For Index see page 106]

Number Main head 3

Number Sub heads (a) to (d)

EASTERN BENGAL (STATE) RAILWAY SYSTEM—control

3 (a) and (b) Eastern Bengal (State) railway (5'6', 3 3\frac{3}{8}" and 2 6" gauge sections)—contd

TABLE I

| Calcudar 3 car | Capital outlay to ond of each year | Gross earnings | ot earnings | Percentage on capital outlay | Interest | Auuuity | Company s share of surplus profits | Gain or loss to the State | REMAPKS |
|--------------------------------------|--|---|---|--------------------------------------|---|---|---|---|--|
| 1879 1880 | Rs 6,23,44,476 6,33,72,354 | Rs 60,29,2 2 66,91 060 | Rs 25,79,314 33,75,186 | 4 14 5 33 | Rs 28 51,165 29,27,092 | Rs | Rs ^,67,326 J,34,950 | R ₃ -6,39,177 -87,4 6 | |
| 1881 1882 1883 1884 1885 | 6,3°,51,905 6,5°,12,546 7,01,85 023 6,58,68,000 7,31,60,273 | 75,05 736 85,79 404 80,73,465 78,12,979 72,8 ,916 | 42 86 406 47,1 ,459 4 ,10,716 21,80,526 25,25 336 | 6 70 7 26 6 70 3 77 3 15 | 28 50 922 27,9',607 29,48,783 15 92 486 21,82,794 | 3,50 920 7,22,920 | 8,24 125 9,91,329 4,98,223 | +6,11,359 +10,29 523 +12,63,710 +5,37,120 -3,80,378 | , |
| 1886 1887 1888 1889 | 8,00,56,752 8,11,53,166 8,59,09,6.9 8,79,71,516 10,00,69,676 | 8°,73 918 91,3° ,93 1,0 ,19, 10 1,11,71,674 1,14,78,382 | 20,89,7°0 45 04 782 55,25,421 61,91,025 60,70,323 | 3 86 5 55 6 44 7 01 6 07 | 24,34,239 41,71,008 28,83,744 30,19,703 30,96,150 | 19 (4,50 14,90,152 20,11,011 20,43 953 18,14,110 | | 12,49,269 11,56,378 +6,30,669 +11,28,969 +11,60,063 | |
| 1891 1892 1893 1894 1895 | 10,31,46,023 10,6047479 10,68,29,000 10,73,52695 10,71,92,132 | 1,26,75,440 1,15,56 446 1,20 51,147 1,40 (5,726 1,45,09,739 | 65,32100 62,33,7.7 60 15,138 83 53,539 89,74,174 | 6 33 5 83 6 21 7 78 8 37 | 83,97,743 85,86 181 89,57 310 41,01 624 41,50,415 | 17,5°,621 16,5°,922 16,4° 185 18,91,850 18,7°,565 | | + 13,82 736 + 6 93,624 + 10,32,643 + 23,60,035 + 29 51,494 | *Rsprsseuts pay |
| 1896 1897 1898 1899 1900 | 10,97,80,613 11,47,6 ,205 11 78,54,619 12,16 49,777 12,58,5°,617 | 1,50 81 670 1,47,67,233 1,47,17,879 1,56,12 4°6 1,71,00,460 | 90,02,996 90,60 612 83 35,064 83,04,083 92,46,124 | 8 20 7 02 7 07 6 82 7 35 | 41,06 132 42,80 503 12,59 256 45,00 276 47,02,516 | 17,56,150 16,58,278 15,75,020 15,62,391 15,60,769 | | + 31,40,004 + 21,26,831 + 23,40,688 + 22,38 416 + 49,77,139 | ment mado to the Brahma pntra Snltan pnr Brauch Railway Com pany up to 1st |
| 1901 1902 1903 1904 1905 | 19,19,95,226 13,99,82,981 14,91,79,763 15,89,84,545 19,29,72,987 | 1,65 °9,440 1,78,93,098 1,81 52,429 1,94 63,098 2 03,73,1°4 | 83,09 281 91,18 340 88,57,091 88 23,372 96 19,404 | 6 29 6 54 5 94 5 55 4 98 | 41,11,665 44 25,883 47 10 867 50,38 905 56,28,338 | 23,37,123 23,79,895 23,33 377 23 33 925 23,83,730 | *33,597 | +18,59 493 +23,9 3,562 +18 12 850 +14 16 915 +16,57,836 | April 1904, ou account of sur plus profits and other ad- justments |

| TABLE | II |
|-------|----|
|-------|----|

| | | | | | ********** | | | | | | | |
|---|--|---|----------------------------------|--|-----------------------------------|---|----------------------------------|-----------------------------------|---|--|--|---|
| | | | Noi thern | 3 (б) , Венар а | ND DACCA | SECTIONS | | | | | | |
| Calendar year | Eastern Southern and Central sections (5 6" gauge) | | Enstern soction (5' 6 gaugo) | | Norther (Sta (3' d3" | n Bengal te) gauge) | | Dharlla gaugo) | Kannia Dh including t Krishnagai Kurigrain l | Behar and ubrisections he Kanaghat and Teesta branches and a section of thair exten " and 26" | Dacca section (3' 3\frac{2}{3} gauge) | |
| , | Earnings per mile per week | Pro of earnings | Larnings per mile per week | Pro of exp to exrange | Earnings por mils por v eek | Pro of oxp to carnings | Larnings per mils per week | Fig of exp to earnings | Errnings per milo per weel | | Earnings per mile per week | Pro ot exp to earnings |
| 1862 18h3 1864 | Rs 91 149 176 233 | 55 59 48 43 53 67 46 98 | Rs 36 98 53 75 | 128 39 131 07 137 03 114 32 | Rs | | Rs | | Ra | | Ps | |
| 1866 1867 1869 1869 | 243 279 308 313 335 | *1 05 48 71 46 33 50 29 55 69 | 79 64 00 55 55 | 118 39 133 60 173 12 145 54 104 88 | | , | | | | | | i |
| 1871 1872 1873 1874 1875 | 270 311 377 433 356 | 56 01 66 60 49 08 52 18 62 16 | 40 40 70 (8 71 | 90 82 92 07 102 56 76 35 80 48 | | | | | | | | • |
| 1876 1877 1878 1879 1880 | 401 529 512 494 540 | 43 66 41 07 43 71 45 97 41 81 | 68 79 83 92 98 | 108 62 81 71 75 08 66 41 71 32 | 20 81 101 114 | 140 29 75 31 99 96 60 10 | | | | | | 403 60 66 |
| 881 883 883 884 884 | 621 611 466 422 380 | 40 91 40 60 50 14 54 08 61 25 | | 66 43 97 42 51 97 with East | 137 160 169 156 153 | 51 23 49 01 49 20 69 93 70 16 | 25 13 39 31 | 92 97 81 49 78 26 107 29 | | | 47 | 141 15 |
| 1666 1837 1898 1889 | 403 268 516 563 521 | 61 97 52 23 47 17 41 60 47 12 | tern and | Southern | 189 Included | with Lac sect | | 122 8, Southern | Included | with Easter | | 111 47 ataern sea |
| 1890 1891 1892 895 1894 1895 | 562 562 529 621 649 | 43 61 41 32 13 74 40 33 35 97 | | | | | | | 181 165 182 111 199 | 55 48 47 32 45 17 89 14 10 29 | 93 85 96 112 20 | 62 10 64 40 62 41 54 46 51 49 |
| 1896 1897 1898 1899 | 676 678 652 649 689 | 39 74 46 18 41 86 49 30 47 75 | , | | | | | 9 | 212 195 201 218 245 | 40 04 42 44 44 88 42 21 42 11 | 115, 114 129 131 146 | 5° 27 5° 95 51 6° 55 78 58 88 |
| 1901 1902 1903 1904 1905 | 678 728 707 751 613 | 50 89 48 18 50 27 53 14 54 61 | | | | | | | 225 2°5 299 233 241 | 1 55 (9 | 1 · 7 146 144 145 155 | 65 15 62 15 78 2 67 6 67 5 |

History of railways constituted and in progress [For Index see page 106]

Number Main head 13 EASTERN BENGAL (STATE) RAILWAY SYSTEM—contd

3 (a) and (b) Eastern Bengal (State) railway (5' 6", 3' 33" and 2' 6" gauge sections)—concld.

Statistics of working-concld

The tables below show the statistics of working of the Central section, the Brahmaputra Sulfaupur and Ranaghat Krishnagar branches before they were purchased by the State

Central section (5' 6" gauge)

| | TABLE I | | | | | | | | | | | |
|---|---|---|---|---------------------------------------|---|--|---|------------------------------------|---|--|--|--|
| Calendar year | Capital outlay to ond of each year | Gross carnings | Not carnings | Porcentago on capital outlay | Interest | Company s share of net earnings | Ganor lo s to the blate | Earn nest per milo p ir weck | Proportion of expenses to expenses | | | |
| 1881 1892 1893 1884 | Re 10,51,983 46,34,35 70,36,935 90,51,719 | Rs 1,07,051 4 54,837 | Ra - 30 300 1,19,632 | | R < 51,516 1,64,534 317,139 362,169 | Re | 18a - 1,610 -1 85 534 -3 75,529 -4 81,771 | Re 64 76 | 1°6 60 126 31 | | | |
| 1895 1886 1887 1858 | 90 01,051 80,5 705 91,09,1 2 92,53,170 | 5,35,953 5,67,313 6,18,494 7,12,901 | 8,133 -4',18 -7,928 1,18,115 | 0·09 1·71 | 3 60 162 3,7 ,240 4 (0 910 5 19 942 | | - 3 51 929 -4 17 7 8 -4 68 68 - 361,797 | 62 67 100 110 | 78 46 102 70 101 22 77 83 | | | |
| 1899 1890 1891 1892 | 91,16 671 96 88,212 97,41,315 1,00 65 781 | 7,37,191 6,17,301 8,1166 7,69,317 | 2,17,083 2,17,007 2,17,736 3,12,0 3 | 313 254 330 311 | 5 18 (9) 4, 39 2 17-,132 5,30, 51 | 59,992 71,129 71,600 | -2 22,7 15 -2,5 1 0 17 - 2 19,175 -2,01 9 18 | 113 103 125 118 | 59 85 63 19 70 62 59 33 | | | |
| 1693 1691 1895 1896 | 1 00 88 993 1 0 41 094 1 01 77,466 1 06,38,927 | 7,81 520 8 20 179 9 17 101 9,33,266 | 3,14 9 12 3,11,162 3,98, 07 3,11,165 | 3 12 3 -7 3 -72 3 12 | *,^7,007 t 11,115 £ 03,911 *,(-),175 | 77,617 8 ,023 91,306 | -3 01 662 -3 70 273 -2 9 1'5 -3,16,016 | 121 126 146 144 | 59 89 64 2 57 90 62 85 | | | |
| 1997 1893 1899 1900 | 1,17,36,810 1,23,58,300 1,26,78 (29 1,26,96 115 | 11,3°, °9 10 21,6 ,7 11,7°,78) 13,33,119 | 5,16 9 2 7,48 003 1 11 813 5,50 690 | 4 10 208 3 18 431 | 7,37,800 7,19,231 1,0037 5,01,785 | 97,271 1, (612 97, 81 1,24611 | -1 1" 158 -2 71 865 -1 62 503 -75,897 | 175 158 158 183 | 55 70 54 08 51 33 53 70 | | | |
| 1901 1902 1903 1904 1905 (up to Jnub) | 1,29,54 075 1,31,11 415 1,31,88 948 1,31,50 812 1,31,77,027 | 110,219 13,14,711 14,0356 15,49,68 6,66,663 | 6,12,040 773,018 5,07,125 5,39,673 1, 5,575 | 106 18 385 410 1-0 | 7 09.201 7,11,298 1 0.1 5,1,670 1,170 | 1,16144 153,467 1,4,510 1 1 767 39 525 | -11 49; -91 017 -1 29 4 6 1 07,767 +1,15,75 | 191 182 703 216 181 | 54 25 76 43 66 75 65 40 76 20 | | | |

Brahmaputra Sultanpur (3' 32 ginge) branch.

| | | | | TABLE II | | | | | | |
|------------------------------|---|---|--|---------------------------------------|---|---|-------------------------------|-------------------------------------|-------------------------------------|--|
| Calendar year | Capital outlay to end of each year | Gross carnings | Not cyrnings | Percentage on capital outlay | Interest. | Company s share of less to the carnings State | | Farmings per mile p r week | Proper tion of expenses to curnings | Renarks |
| | Rs | Rs | Rs | | Re | Rs | Pe | | Re | |
| 1897 1898 1699 1900 | 2,02,019 12,154.7 19,58,137 24,20,811 | 36,300 1,36,5 87 | | | | | | 3S 53 | 45 00 45 00 | Not carning during 1809 and 1000 were raid over to the Company and interests up to 1900 |
| 1901 1902 1903 1904 | 28,27,619 29,17,693 29,42,486 | 1,96,848 2,10,421 2,54,379 Amalgan | 61,875 1,32,233 1,59,909 nated with the | 2 17 4 53 4 75 Eastern Ren | 42 411 86,750 83,185 gal (State) r | 0,480 22,742 ailway | +18 961 +31 003 +28,931 | 61 78 82 | 45 00 45 00 45 00 | were charged to capa- tal. |

| Ranaghat | -Krishnagar | 191 64 | Convent | heamah |
|----------|----------------|--------|---------|--------|
| Langenac | - Prizennasar. | (20 0) | gaugei | Drancu |

| | | | | | TABLE I | | | - | TAB | LE II |
|----------------------|------------------------|---|----------------------------|----------------------------|---------------------------------------|--------------------------------------|------------------------------------|---|----------------------------------|-------------------------------------|
| | Calondar yoar | Capital outlay to end of each year | Gross carnings | Net carnings | Percentage on capital outlay | Snbsidy from District Board | Total mecome | Per cent. of total income on capital ontlay | Faruings per mile per week | Proportion of expenses to carnings. |
| | | Rs | Rs | Rs | | Rs | Rs | | Rs | |
| 1898 1899 1900 | . : . | 7,22,869 7,27,809 7,51,809 | 46,3 \$ 3 69,302 | 8,415 19,113 | 1 16 2 59 | 12,353 9,472 | 20,767 28,014 | 2 85 3 85 | 59 66 | 81-84 71-95 78 03 |
| 1901 1902 1903 | • | 7,51,157 7,51,158 7,43,657 | 69,117 76,180 | 15,185 21,353 33,832 | 2 02 2 84 | 1,465 15,900 | 16,650 37,813 | 2 22 4 97 5-31 | 66 72 82 | 71-97 60 86 |
| 1904 | { 1st half 2nd half | 7,43,657 | 86,434 40,861 | 12,160 | 455 ed with the E | 5,674 2,876 astern Bengr | 39,506 15,036 1 (State) rail | 1 | | ** |

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APPENDIX 38—contd

History of railways constructed and in progress

[For Index see page 106]

Number Snb heads (a) to (d) EASTERN BENGAL (STATE) RAILWAY SYSTEM—contd

3 (c) Mymensingh-Jamalpur-Jagannathganj Bianch railway (3' 3%' gauge)-

This line, which terminates on the Brahmaputra river, is connected with the Eastern section of the Eastern Bengal (State) Railway at Goalundo by the India General Steam and River Steam Navigation Companies' steamer services

Details of construction-

This rulway is 50 69 miles long. Its construction was sanctioned in 1896 and it was opened in 1899

Permanent-way -The permanent-way consists of flat-footed steel rails, 50 lbs to the yaid, laid on sal sleepers

Ballast - The line is ballasted throughout with brick

Fencing -The line is fenced only at stations and through the town of Mymensingh

Curves -The sharpest curve is of 2,864 feet radius

Gradients -The ruling gradient is 1 in 300

Terms of contracts-

The Mymensingh-Jamalpur-Jagannathganj Branch railway is worked under the following contracts -

Contracts of—6th January 1897 (between the Secretary of State and the India General Steam Navigation Company) for the construction and working of the Mymensingh-Jamalpur-Jagannathgan Branch iailway

3rd October 1899 (between the India General Steam Navigation Company, the India General Navigation and Railway Company and the Secretary of State) for the transfer of the domicile of the Mymensingh-Jamalpur-Jagannathganj Branch railway office from Calcutta to London

The general conditions of the contracts are as follows -

Government and —Government in respect of each year allow to the Mymensingh-Jamalpur-Jagannithganj Blanch Railway Company, by way of rebate on the share attributable to the Eastern Bengal (State) railway of the receipts from traffic interchanged between the two railways, such a sum not exceeding in any year the net earnings from traffic except railway stores interchanged between the Eastern Bengal (State) railway system and this railway, as will, together with the net earnings of the Company for the year, make up an amount equal to interest for the year at a rate of 3½ per cent per annum on the actual capital expenditure. Lind has been provided free of charge

Currency of contracts —Government may determine the contracts on 12 months' notice either on the 31st December 1919, or at the end of any subsequent period of 10 years or on the 31st December 1948, the Government paying, if contracts are determined on the 31st December 1919, or at the expitation of any subsequent period of 10 years, a sum equal to 25 times the average yearly net earnings, not including relate payments, during the three years prior to determination, but not exceeding by more than 20 per cent, or not being less than, the total capital expenditure, and if determined on the 31st December 1948 (50 years), the total amount of such capital expenditure

Power of Company to surrender contracts -N1

Terms of working —After deduction of 45 per cent of the gross earnings for working expenses (which may include any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 20 per mile of line open in each half-year) in which is included all such legal expenses of the Company as are properly debitable to revenue, the balance is payable to the Company

Rates and fares —To be arranged between Government and the working agency within the maxima and minima rates in force on the Eastern Bengal (State) railway

Statistics of working-

| | | | Table | 1 | | | | | Tabl | e II |
|--------------------------------------|---------------|--|--|--|--------------------------------------|----------------------------|--|--------------------------------------|--------------------------------------|---|
| | Calendar year | Capital outlay to end of each year | Gross carnings | Not earnings | Porcentago on capital ontlay | Rebato from L B S Ry | Total moome | Percentage on capital ontlay | Earnings per mile per week. | Pro of exp to earnings |
| | | R_{θ} | Rs | Rs | | Rs | Rs | | Rs | |
| 1896 1897 1898 1899 1900 | : | 1 950 5,54,688 10,44 638 16,11,248 18,78,395 | 7,660 66,499 1,62,028 | 4,213 96,575 89,116 | 0 40 2 27 4 74 | | 4,213 36,575 89,116 | 0 40 2 72 4 74 | 27 35 58 | 45 00 45 00 45 00 |
| 1901 1902 1903 1904 1905 | • • • | 20,84,346 22,856,7 22,01,173 2451113 23,86,029 | 1,67,756 2,05,251 2,22,825 2,21,168 2,16,642 | 92 265 1,12,888 1,24,993 1 24 312 1,18,748 | 4 43 4 94 5 68 5 29 4 98 | | 92,265 1,12,888 1,24,993 1,24 312 1,18,748 | 4 43 4 94 5 68 5 29 5 25 | 60 74 82 81 81 | 45 00 45 00 43 90 43 79 45 19 |

3 (d) Cooch Behar railway (2' 6" gauge)-

Details of construction-

This rulway is 33 60 miles long, consisting of main line, 22 15 miles, and branch, 11 45 miles known as the Native State section of the Cooch Behar-Santrahari extension. Its construction was sanctioned in 1891 and it was opened throughout in 1900

Permanent way —The line is laid for 1955 miles with 25-lb and for 188 miles with 411-lb steel rails on sal and pyinhado sleepers, and for 1222 miles with 40-lb iron rails on sal sleepers. All rails are flat-footed

History of railways constructed and in progress.

[For Index see page 106]

Main head 3 Number Sub herds (a) to (d) EASTERN BENGAL (STATE) RAILWAY SYSTEM-concld

3 (d) Cooch Behar railway (2' 6" gauge)-concld

Details of construction-concld

Ballast —The line is laid without ballast

Fencing — The line is unfenced Curves — The sharpest curve is of 2,000 feet radius

Gradients -The ruling gradient is 1 in 100

Terms of contract-

The Cooch Behar railway is worked under the following agreement -

Agreement -of 15th June 1903 and having effect from the 1st January 1901 (between the Secretary of State and His Highness the Maharaja of Cooch Behar) for working

The general cond tions of the agreement are as follows -

Government and -The line is the property of the Cooch Behar State

Currency of agreement -The Eastern Bengal (State) rulway to maintain and work the Cooch Bohar State rulway for a period of five years from 1st January 1901

Terms of working — The Eastern Bengal (State) railway to receive 40 per cent of the gloss earnings for maintenance and woiling, provided that when the stock of the Eastern Bengal (State) railway is used for the conveyance of any traffic on the Cooch Behar railway, the Eastern Bengal (State) railway will receive and retain up to, but not exceeding, 45 per cent of the gross earnings obtained from the use of such stock. The percentage of working charges will cover the cost of 'New Minor Works' up to the limit of Rs 30 per mile per annum

Rates and fares -The Eastern Bengal (State) railway administration have full control over rates and fares

Statistics of working-

| | TABLE I | | | | TAB | LE II |
|--|--|--|---|---|--|---|
| Calondar Joar | Capital ontiny to end of each year | Gross earnin _o s | Not carnings | Per cent on Capital outlay | Earnings per mile per week | Pro of exp to carnings |
| | Rs | Rs | Rs | | Rs | , |
| 1891 1892 1893 1894 1895 1896 1897 1893 1899 1900 1901 1902 1903 | 14,685 4,09 136 6,65,172 7 11 318 7,30,033 7,66,731 9,01,210 10,32,938 12,91,931 12,83,936 | 53,174 70,128 64, 62 66 121 82,773 94,792 | -2,455 8,576 10,200 38,570 35,314 6,687 43,0.3 51,602 74,667 71,1-3 83,534 86,936 | 120 20 5 09 5 09 5 09 5 09 5 30 5 30 5 30 5 30 5 30 5 30 5 30 5 30 | 13 85 46 61 55 77 83 82 | 188 94 78 71 63 89 45 00 45 00 47 95 43 41 41 48 40 31 41 19 |
| 1901 | 14,71,31 14,82,893 | 1,47 575 | 86 936 87,313 | 5 91 5 83 | 81 85 | 41 05 41 20 |

Main hord 4 EAST INDIAN RAILWAY SYSTEM-Number Sub heads (a) to (d)

Times comprising the system -The East Indian tailway system is made up of-

| (a) Hast Indian railway (5' 6' gange) (b) Delhi Umballa Kall a railway (5' 6" gauge) (c) Sonth Behar railway (5' 6" gauge) (d) Tarkessur railway (5' 6" gauge) | | Open line Miles 1,972 30 162 36 78 76 22 23 | Under construction or canctioned for construction Miles 310 90 | Total Miles 2,313 20 162:36 78 76 22 23 |
|--|--|---|--|--|
| Running powers— | l otal | 2,235 65 | 310 90 | 2,576 55 |
| Home line over Foreign lines — Agra Fast Bank to Agra Fort, Rajputana Malwa railw Nathati to Brace Bridge Junction and Chitpora, Faste Meghal Sarai to Bonares Cantonment, Oudh and Rohil | rn Bengal (State |) railwiy }for | goods trains only conger trains only | Miles 1 00 31 50 10 00 |
| Foreign lines of er Home line — Bengal Nagpur railway at Katin at Asansol at Asansol for passenger an Asansol great Indian Pennisala railway, Agra to Tandla for at Cawnpore at Cawnpore for passenger to for passenger at Manikonr at Katin North Western and Ondh and Robil shand (State) railw | r passenger train runs only s only | } _{for} | Total passenger and goods ns | 45 50 0 0 1 00 12 75 0 97 0 52 0 63 0 38 13 00 |
| | | | Total | 30 05 |

History of railways constructed and in progress
[For Index see page 106]

Nnmber $\frac{\text{Main head 4}}{\text{Sub heads }(a) \text{ to }(d)}$ EAST INDIAN RAILWAY SYSTEM—contd

4 (a) East Indian 1 ailway proper (5' 6" gauge)—

Details of construction-

The open mileage of the East Indian railway proper is 1,972 30 miles. This may be divided into (1) main line (Howrah to Pelhi), 955 08 miles, (2) Loop line (Khana junction to Kiul), 250 39 miles, and (3) branches, 766 83 miles. Of the above 499 10 miles are double and 2 20 miles triple line.

There are in addition 340 90 miles single and 13 60 miles double line under construction. The first sanction to constructing the main line was given in 1851 and it was opened throughout in 1871. The Loop line was opened in 1862.

Permanent way—The main line from Howrah to Delhi, also the Loop line from Khana junction to Kiul, the Jubbulpore branch, Jharia branch, Ondal loop, Ikrah branch, Giridih branch, Patna-Gya branch, Moghal Sarai Gya chord, Barun-Daltonganj branch, Agra branch and Shikohabad-Farukhabad branch are laid with steel rails throughout A few short branches are still laid with iron rails hut these are being replaced with second-hand steel rails removed from the main line in the course of relaying operations

On both up and down roads of the main line from Howrah to Kiul, a distance of 261 miles, the rails are bull-headed, weighing 85 lbs per yard. The 85 lb bull-headed rail has also been laid on the single line between Moglial Sarai and Mirzapur. The rest of the main line and branches, with the exception of the Patra-Gya and Barun-Daltonganj branches, are laid with double headed rails, weighing 75 lbs per yard.

As at present laid, about fifty per cent of the sleepers are wood and the remainder are iron. The wooden sleepers principally consist of sal and deodar, but, owing to the difficulty in getting sal and deodar sleepers and to the rise in price of same, Australian haid woods are now being tried. The chairs are east iron and vary in weight from 36 to 51½ lbs. The iron sleepers are of the Denham Olpherts' pattern and weigh about 252 lbs each.

Ballast -The line is ballasted throughout with stone

Fencing —The line is fenced throughout except the Jharia, Damuda, Ikrah, Salanpur, Chanch, Pandia, Azimganj, Barun-Daltonganj, Moghal Sarai-Gya and Shikohabad-Farukhabad branches and the Ondal loop and Dhanbaid-Jharia Chord

Curves —The sharpest curve is of 1,525 feet radius

Gradients —The ruling gradient of the main line is 1 in 300 except between Raneegunge and Luckeeseral where it is 1 in 200 with a 1 in 100 banking section, between Simultala and Jhajha. The ruling gradient of the Loop line and the Jubbulpore branch is 1 in 200

Terms of contracts-

The railway is worked under the following contracts -

Contracts of-22nd December 1879 -East Indian Railway Company's principal contract

10th November 1893 — Contract for the meorporation of the following State branches in the undertaking — Ghazipur (Didarnagar to Tarighat), Bhadleswar (Bhadreswar junction to the right hank of the Hooghly), Mokameli (Mokameli junction to the Ganges), Digha Ghat (Bankipore junction to the light bank of the Ganges at Digha Ghat), Jharia (Barakar to the Jharia coal-fields), Toposi collieiy (Toposi to Khairabad, Nundi to Panuria and Salaupur to Shamdi), Gya (Bankipore to Gya), and Azimganj (Nalhati to Azimganj)

26th February 1896 -As to debenture capital

22nd November 1897 —Contract for the construction and working of the Moghal Sarai-Gya railway 14th November 1899 —Contract modifying that of 1879

The general conditions of the contracts are as follows -

Government and—Government guarantee interest at 4 per cent in sterling on £6,550,000 (being capital representing the deferred portion, ie, one fifth of the annuity payable under the terms of purchase). All capital is provided either by Government or by the Company by the issue of debentures or debenture stock, in such manner or on such terms as to interest or otherwise as the Secretary of State determines

Terms of contracts —The hucs were purchased from the East Indian Guaranteed Railway Company by the State on the 1st January 1880, and all the contracts then subsisting between the Secretary of State and that Company (except those relating to debentures or debenture stock) were determined. The purchase

Company s stock at date of purchase Premium of 25 per cent rel ting to debentures or debenture stock) were determined The purchase price was £32,750,000,* and it was provided by the Purchase Act that this should be paid in the form of a terminable annuity of the amount of £1,473,750, payable from the 1st January 1880 to the 14th February 1958 One-fifth of the annuity was deferred, and the holders of this portion (representing a capital

sum of £6,550,000), constitute the present East Indian Railway Company, which, since the purchase, has worked the railway for the Government under the contract of 1879 as modified by the contract of 1899. The defended annuity holders receive, in lieu of the annuity, interest at 4 per cent per annum on £6,550,000 and a share of the surplus profits of the railway. On the determination of the contract, the portion of the annuity that has been deferred will become payable for the period remaining up to the 14th February 1953.

Currency of contracts — The contract of 1879 terminates on the 31st December 1929, but either party may determine the contract at the end of the 20th or at the end of any succeeding 5th year (computed from the 1st of January 1880) on giving two clear years' notice in writing to the other party of this intention

Nors -Government relinquished their right to determine the contract at the end of the 23th year and by mutual agreement the principal contract will not be determined before the 3ist December 1010

Power of Company to surrender contract -See currency of contracts

Terms of working —After deducting working expenses (which may include any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 25,000 in each half-year and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government for supervision) the

History of rarlways constructed and in progress [For Index see page 106]

Main head 1
Sub heads (a) to (d)

EAST INDIAN RAILWAY SYSTEM—contd. Number

4 (a) East Indian railway proper (5' 6" gauge)-concld.

Terme of contracts-concld

surplus profits (after payment of interest on debentures, annuity, interest on deferred portion of annuity, interest due to Government on capital advances, etc., and contribution to the Provident Fund) up to a sum of 25 likhs of rupces are divided in proportion of four-fifths to Government and one-fifth to the Company Any excess over 25 lakhs of rupees is divided in proportion of touteen-fifteenths to Government and one fifteenth to the Company

Rates and fares - Certain maxima and minima rates and fares have been fixed within which the Company is

permitted to vary rates

Statistics of marking

m A DT TO T

| Statistics | s of working | | | | TABLE I | | | | |
|--------------------------------------|--|---|---|--------------------------------------|--|---|---|---|---|
| Calendar year | Capital ontlay to end of each year | Gress earnings | Net earn ings | Per cent on capital ontlay | Interest | Annuity | Company's share of net earnings | Gain or less to the State | Remarks |
| 1879 1880 1881 1882 1883 | Rs 34,32,77,360 34 35,77,327 34,87,63,677 35 07,21,455 35,24,91,304 | Rs 4 35,46 730 4,30,04,917 4,54 11,472 4 71,17,594 1,91,67,085 | Rs 2,86 14 479 2,86 72,035 3 08,35,036 2 96,57,096 3,11,50,980 | 8 34 8 35 8 64 8 84 8 84 | Rs 1,65,74 363 *1,98,06,263 31,05 426 32,81,764 38,16,170 | Rs 1 73,92,000 1,73 92,000 1 72,57,772 | Rs 61,25,877 17,72,690 20,63,867 17,88,073 19,99,731 | Rs + 59,14,239 + 70,93,092 + 82,73,718 + 71,95,219 + 80,77,307 | *Interest in 1880 in oludes annuity char- ges, which cannot be separated |
| 1884 | 35 57,38,760 | 4,38,38,714 | 2 73 22,003 | 7 68 | 35,58,035 | 1 78,50,459 | 11,72,323 | + 47,41,188 | |
| 1835 | 35,85 96,619 | 4,63 86,869 | 3 30,16 960 | 9 21 | 38,13,262 | 1,79 75,714 | 16,29,502 | + 95,98,482 | |
| 1886 | 36,06,85 918 | 4,66,70 853 | 3,05,13,359 | 8 46 | 39,91,104 | 1,89,50 137 | 14,97,276 | + 60,74,842 | |
| 1887 | 36,12,14 631 | 4,60,65,661 | 3,13,34,263 | 8 67 | 40,70,941 | 1 92,13 333 | 15,87,252 | + 61,62,731 | |
| 1888 | 36,09,27,530 | 4,51,36,902 | 3,03,35,075 | 8 40 | 40,73,297 | 2,03,13,530 | 11,64,693 | + 47,33,555 | |
| 1889 | 36,19,22,300 | 4,49,57,901 | 2,94,05,230 | 8 12 | 41,81,109 | 2,09,60,000 | 8,31,317 | + 31,28,775 | |
| 1890 | 36,21,22,758 | 4,40,57,665 | 2 98,26,815 | 8 24 | 41,63,278 | 2,03,43 530 | 10,37,019 | + 42,62,938 | |
| 1891 | 36,15,18,827 | 4,56,87,001 | 3,60 37,028 | 9 97 | 43,93,126 | 1,86,91,054 | 26 45,392 | + 1,03,04,156 | |
| 1892 | 36,24,97,506 | 4,91 41,600 | 3,48,16,719 | 9 60 | 37,25,754 | 2 06,47,164 | 20,58,760 | + 83,55,041 | |
| 1893 | 36,91,20,357 | 5 08,44,634 | 3,60,94,293 | 9 78 | 41,20,889 | 2,31,16,780 | 17,04,125 | + 68,16,499 | |
| 1694 | 37,24 36,356 | 5 26,89,485 | 3 64,26 405 | 978 | 43,37,988 | 2,43,89,592 | 15,39,767 | + 61,59,068 | |
| 1895 | 37,82,18,020 | 5,41,50,856 | 3,78,31,726 | 1000 | 45,73,681 | 2,61,01 122 | 11,29,078 | + 57,30,845 | |
| 1896 | 38,27,66,003 | 5,40,69,142 | 3,67,77 652 | 961 | 46,90,562 | 2,58,59,455 | 12,47,33 | + 49,81,932 | |
| 1897 | 39,39,91,173 | 5,89 28,013 | 4,14,93 469 | 1053 | 48,20,238 | 2,47,34,406 | 23,87,763 | + 95,51,062 | |
| 1698 | 40,71,91,336 | 5,97,96,060 | 4,08,07,269 | 1002 | 50,16,514 | 2,32,64,533 | 24,09,241 | + 99,96,978 | |
| 1899 | 42,70,40,208 | 6,35,45,974 | 4,26,60 018 | 9 99 | 54,64,902 | 2 21,45,516 | 30,09,920 | +1,20,39,650 | |
| 1900 | 44 29,43,540 | 6 64,74,972 | 4,47,15,571 | 10 10 | 60,15,051 | 2 15 60,963 | 18 09,104 | +1,53,27,150 | |
| 1901 | 45 66 59,069 | 7 03,96,636 | 4,57 13,341 | 10 01 | 65,16,878 | 2,16,82,360 | 18,51,450 | +1,56 32,623 | |
| 1902 | 47,06,40,852 | 6 77 38,713 | 4 29 80 833 | 9 13 | 70,34,192 | 2 16 46,868 | 16,19,65 | +1,26,79,508 | |
| 1903 | 48,79 61,454 | 6,99,72,699 | 4 63,93,122 | 9 52 | 74,46,371 | 2,16,15,000 | 16,82,231 | +1,56,5,820 | |
| 1904 | 50,26 09 029 | 7,59,71,544 | 5,05 64,422 | 10 06 | 80,23,978 | 2,16,15,000 | 20 64,276 | +1,88 61,168 | |
| 1905 | 52,58,72,727 | 7,50,47,139 | 4,81,85,134 | 9 16 | 86,75,860 | 2,16,15,000 | 18,62,075 | +1,60,32,199 | |

TABLE II Last Indian Nalhati Last Indian Patna Gya Nalhati Dildarnagar-Ghazipur (5' 6' gange) (4' 0" gange) (5' 6' gauge) (4 0" gange) (o' 6" gauge) (5' 6' gange) Calendar Calendar Earn year year Earn Pro of Earn Pro of exp to Larn Pro of exp to ings per mile Pro ings per mile of Pro of Earn of mie per weck ugs per mile per week ings per mile per week exp t mile per mook exp to exp oarn to exp t exp to earn por neck per week ings ings ıngs ings ings Rs 507 552 $\mathbf{R}_{\mathbf{S}}$ R_8 \mathbb{R} s Rs 64 65 49 47 51 Rs35 C9 32 86 33 04 31 85 36 94 79 41 67 56 105 33 79 20 73 05 1853 1854 1855 1856 1878 1879 1880 1881 55 84 56 13 65 11 60 51 62 18 51 97 40 62 38 12 121 549 578 108 167 232 128 33 99 52 85 24 63 73 1857 1882 601 181 69 63 90 84 82 08 85 29 70 57 49 87 58 37 52 28 52 05 46 45 279 253 231 240 192 46 49 44 77 48 36 46 49 159 174 174 180 1858 1883 630 36 95 51 93 57 80 75 75 76 77 1884 1895 1886 558 589 591 37 61 35 25 31 59 31 70 57 48 52 52 52 01 1859 1860 1861 1862 59 65 53 81 1887 46 53 55 01 50 79 44 82 44 24 48 91 1863 1888 1899 1890 33 21 168 175 174 47 97 48 70 45 80 78 39 78 18 78 01 222 74 73 71 91 13 567 1864 1865 1866 1867 253 311 374 369 346 49 88 63 28 105 15 68 81 83 60 34 59 31 35 27 21 28 47 36 41 36 45 57 538 615 587 42 76 42 91 1891 66 62 97 Convorted to 5' 6' g ange 1868 44 88 1893 1894 1895 27 44 30 87 31 07 581 601 1869 1870 1871 399 424 339 368 59 64 48 77 58 07 57 14 60 43 68 43 36 41 44 60 55 53 603 597 31 98 1896 1897 649 29 47 1873 1874 1875 1876 38 73 35 70 39 58 35 08 31 85 382 474 374 452 60 61 57 54 64 60 06 67 22 76 42 1898 658 31 76 055 097 708 733 687 692 1899 1900 32 84 34 78 111 15 100 47 1901 1902 1903 1904 35 06 36 55 33 64

749 738

33 39

History of railways constructed and in progress [For Index see page 106]

Main head 4 Number Snb heads (a) to (d)

EAST INDIAN RAILWAY SYSTEM-contd

4 (b) Delhi Umballa-Kalka railway (5' 6" gauge) -

Details of construction-

This rulway is 162 36 miles long. It was opened throughout in 1891

Permanent-way -The permanent way consists of double headed steel rails, 75 lbs to the yard, laid on Denham Olpheits' cast-iron plate and wooden sleepers with cast iron chairs

Ballast — The line is ballasted throughout with stone Fencing — The line is fenced throughout

Curves —The sharpest curve is of 1,010 feet indius

Gradients -The juling gradient is 1 in 200 except for 15 miles from Kalka where it is 1 in 40

Terms of contracts-

The rulway is worked under the following contracts -

Contracts of -24th January 1889 (between the Secretary of State and the East Indian Railway Company) for working. 12th February 1889 (between the Secretary of State and the Delhi-Umballa-Kalka Railway Company) for construction

19th Maich 1890 (between the Secretary of State and the Delhi-Umballa-Kalka Railway Company) for raising of additional expital by the issue of debentures

19th Decomber 1895 (between the Secretary of State and the Delhi-Umballa-Kalka Railway Company) conceding to the Company from the 1st January 1893 the 2 per cent of gross carnings previously ietained by Government

24th July 1896 (between the Secretary of State and the Delhi-Umballa-Kalka Railway Company) for the provision of funds for expital works

9th June 1897 (between the Secretary of State and the Delhi-Umballa-Kalka Railway Company) guaranteering interest at the rate of 34 per eent on share capital

The general conditions of the continets are as follows -

Government and -By the contract of 9th June 1897, Government supplement the net carnings of the Company for the year 1896 and each succeeding year by such an annual subsidy as will enable the Company, after payment of debenture interest, to pay a dividend of 3½ per cent per annum ou their share capital . Land was also provided free of cost

Currency of contracts —The contracts may be determined by effluxion of time on the 31st December 1916, unless some arrangement is effected for continuing the working Should such arrangement he made, Government may determine the contracts on the 31st December 1926 or on the 31st December of any subsequent tenth year On determination, Government are to receive possession of the railway, and to pay the Company a sum equal to 25 times the average yearly profits of the Company in calculating the price to be paid on purchase by Government

Power of Company to surrender contracts -N1

Terms of working —Government undertake (through the agency in the first instance of the East Indian Rulway Company) to supply the necessary rolling stock and to work and maintain the line until the 31st December 1916, taking 48 per eent of the gross receipts of the rulway for the working agency (which may include any single item of capital expenditure, not exceeding Rs 1,000 classed as a 'Minoi Work,' and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government for supervision) and paying over 52 per eent to the Company Surplus profits in excess of 34 per eent per annum are divided equally between Government and the Company until Government have been repaid advances of subsidy, with interest Thereafter, all surplus profits belong to the Company

Rates and fares.—To be agreed upon from time to time between the Secretary of State and the working agency, but in the case of that portion of the line between Delhi and Umballa to be not more than the maximum, nor less than the minimum lates and fales in force on the East Indian railway, and in the ease of that portion between Umballa and Kalka to be not more than three times such maximum nor less than such minimum

| | | | TA | BLE I | | | | | Таві | LE II |
|--------------------------------------|---------------|--|---|---|--------------------------------------|-----------------------------------|---|---|----------------------------------|---|
| | Calendar year | Capital outlay to end of oach year | Gross earnings | Not earn 10gs | Percentage on capital outlay | Subsidy from Govern ment | Total income | Percen tago of total in come on eapital ontlay | Earnings per milo per week | Proportion of expense to carnings |
| 1889 1890 | • | R ₈ 58,90 835 1,35,55,580 | Rs | Rs | | Rs | Rs | | Rs | |
| 1891 1892 1893 1894 1895 | | 1,55,44 692 1,58 22,137 1,55,24 600 1,55,25,547 1,55,06,120 | 9,07,697 10,81,769 11,98,508 13,37,526 14,60,519 | 4,72,002 5,62,520 6,23,224 6,95,514 7,59,470 | 3 04 3 56 4 01 4 48 4 90 | | 4,72,002 5,62,520 6,23,224 6,95,514 7,59,470 | 3 04 3 56 4 01 4 43 4 90 | 128 129 143 159 174 | 48 00 48 00 48 00 48 00 48 00 |
| 1896 1897 1898 1899 1900 | | 1,54,49 783 1,53,26,585 1,53,43,597 1,53 01,272 1 53,15,467 | 13,18,840 15 73 319 16,07,512 14 49,378 13,72,523 | 6,85,797 8,18,126 8,35 906 7,29,541 7,13,712 | 4 44 5 34 5 45 4 77 4 66 | | 6,85 797 8,18,126 8,35 906 7,29,541 7,13,712 | 4 44 5 34 5 45 1 77 4 66 | 158 186 191 172 163 | 48 00 48 00 48 00 48 00 48 00 |
| 1901 1902 1903 1904 1905 | ٠ | 1,52,92,648 1,54,23,791 (1,55,49,998 1,55,51,763 1,56,07,499 | 18,05,858 18,66,695 18,30,960 18,53,475 20,16,936 | 9,39,046 9,70,681 9,52 099 9,63,807 10,48,807 | 6 14 6 29 6 12 6 19 6 72 | 9 | 9,39,046 9,70 681 9,52,099 9,63,807 10,48,607 | 6 14 6 28 6 12 6 19 6 70 | 213 221 216 218 238 | 48 00 48 00 48 00 48 00 48 00 |

History of railways constructed and in progress

[For Index see pago 106]

Main head 4 Number $\frac{1}{\text{Snb-heads (a) to (d)}}$ EAST INDIAN RAILWAY SYSTEM—contd

4 (c) South Behar railway (5' 6" gauge)-

Details of construction-

This railway is 78 76 miles long. It connects Luckecseral with Gya and was opened in 1899

*Permanent-way**—The permanent way consists of double-headed steel rails, 75 lbs to the yard, laid on wooden sleepers and cast-mon chairs, and Denham Olpherts' cast-mon plate sleepers

Ballast —The line is ballasted throughout with stone

Fencing —The line is fenced near villages, at stations and for a short distance on each side of level crossings only.

Curves.—The sharpest curve is of 3,000 feet radius

Gradients - The ruling gradient is 1 in 400

The railway is worked under the following contracts -

Contracts of-7th August 1895 (between the Secretary of State and the South Behar Railway Company) for con-

22nd August 1895 (between the Secretary of State and the East Indian Railway Company) for working. The general conditions of the contracts are as follows

Government and—Government, in respect of each half-year, allow to the South Behar Railway Company, by way of rebate on the share attributable to the East Indian railway of the receipts from traffic interchanged between the two railways, a sum not exceeding 30 per cent of such share as will, together with the net earnings of the South Behar Railway Company, make up an amount equal to interest for the half-year at the rate of 4 per cent per annum on the actual capital expenditure on the South Behar railway. For the purpose of calculating this rebate, the capital expenditure is to be regarded as not exceeding Rs 120 lakhs, and the amount towards making up of which the rebate is to be allowed is to be limited to Rs 2,40,000 in any half-year Land was also provided free of cost

Currency of contracts — Government have power to determine the contracts on the 30th June 1919, or at the end of any subsequent period of 10 years from that date, by giving twelve months' notice. In ease of such determination, the Government will pay to the Company in England an amount equal to the total paid up capital in sterling, so far as such capital has been expended on the undertaking with the authority of the Secretary of State

Power of Company to surrender contracts -Nil

Terms of working—For the first two years after the opening of any section, the cost of maintenance was charged against capital, Government retaining only 35 per cent of the gross carnings for providing rolling-stock and working the line, the remaining 65 per cent going to the Company Thereafter, Government retain 45 per cent of the gross carnings (which may include any single item of capital expenditure, not exceeding Rs 1,000 classed as a 'Minor Work' and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government for supervision) to meet the cost of maintaining, stocking and working the line, the Company taking the remaining 55 per cent.

Rates and fares -To be agreed upon from time to time between the Government and the working agency within the maxima and minima rates and fares in force on the East Indian railway

Statistics of working-

| | | Tabl | e I | , | | | | | TAT | LE II. |
|--------------------------------------|---------------|---|--|--|---|--|--|---|--------------------------------------|---|
| | Calendar year | Capital outlay to end of each year | Gross earnings | Net carnings | Percent- age on capital outlay | Rebate from E I By | Total income | Percent age of total in come on capital outlay | Earnings per mile per week. | Propor tion of expenses to earn-ings |
| | | Rs | Ks | Rs | | Rs | Rs | | Rs | |
| 1895 | | 5,17,988 | | | | 1 | | | | |
| 1896 1897 1898 | | 30,88,036 62 72 345 97,45,791 | | | | | | | , ———— | • |
| 1899 1900 | | 1,18,16 730 1,23,15,110 | 2,03 328 4,67,133 | 1,32 163 3,03,636 | 1 12 2 47 | 33 403 1,41,401 | 1,65 566 4,48,040 | 1 40 3 64 | 101 114 | 35 00 35 00 |
| 1901 1902 1903 1904 1905 | : • • : • | 1 23,66 533 1,19,88 612 1,20,01 897 1 19 72 914 1,19,77,154 | 5,14,870 4 99,809 5 24,605 5 70,358 5,55,199 | 3,08 822 2 74 895 2,88 533 3 13 697 3,05,360 | 2 50 2 29 2 40 2 62 2 55 | 1,28,082 1 35 445 1 57,768 1,65 8-2 1,72,721 | 4,36,904 4,10,340 4 46,241 4,79,079 4,78,081 | 3 53 3 42 3 72 4 00 3 99 | 125 122 128 138 135 | 40 02 45 00 45 00 45 00 45 00 |

4 (d) Tarkessur railway (5' 6" gauge)—

Details of construction-

This railway, which connects Scoraphuli, a station on the East Indian railway, with Tarkessur, is 22 23 miles long. Its construction was sanctioned in 1883 and it was opened in 1885

Permanent-way — The permanent-way consists of 74-lb iron rails laid on Denham Olpherts' east-iron plate sleepers,

Ballast — The line is ballasted throughout with stone

Fencing -The line is fenced throughout

Curves — The sharpest curve is of 2,700 feet radius

Gradients —The ruling gradient is 1 in 500

History of railways constructed and in progress [For Index see page 106]

Number Sind heads (a) to (d) Main head 4 EAST INDIAN RAILWAY SYSTEM-concld

4 (d) Tarkessur railway (5' 6" gauge)-concld

Terms of contracts-

5

1

The railway is worked under the following contracts -

Contracts of-Sth September 1883 (between the Secretary of State and the Tarkessur Railway Company) for eonstruction

15th September 1887 (between the Secretary of State and the East Indian Railway Company) for working

1st Maich 1888 (between the Secretary of State and the Tarkessur Railway Company) for working

The general conditions of the contracts are as follows -

Government and -Land was provided free of cost

Currency of contracts - The contract of 1883 terminates on the 7th September 1982, but the Secretary of State, by giving twelve months' previous notice, has the power to determine the contract after the railway has been opened for thirty years, and thereafter at intervals of ten years. In the event of such determination, Government will pay the Company a sum equal to the aggregate net profits during the twenty years preceding

Power of Company to surrender contracts -NI

Terms of working - From the gross earnings are deducted working expenses (which may include capital expenditure classed as 'Minor Works' subject to a maximum charge on such account of Rs 15 per mile of line open in each half-year and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government for supervision) calculated at the same percentage of the gross earnings as obtains on the East Indian railway system as a whole, 5 per cent of the gross earnings for the line of rolling-stock, and contribution to the Provident Fund The balance is divided in proportion of four-fifths to the Tailessur Railway Company and one fifth to the East Indian Railway Company Rates and fares—Certain maxima have been fixed, and the Company is authorized to chirge within those

maxima such rates and fares as may from time to time be mutually agreed upon

Statistics of working-

| | | | | | | | | | _ | | T'ABLE I | | | | TABI | EII |
|--------------------------------------|---|---|---|--------|--------|----|---|---|---|---|---|--|--|--------------------------------------|--|---|
| | | | | Calend | lar ye | ar | | | | | Capital out lay to ond of each year | Gross carnings | Net oarnings | Per cent on Capital outlay | Eurnings per mile per week | Proportion of expenses to earnings |
| 1885 | | • | | | | • | • | • | | | Rs 16,88,995 | Rs 2,62,313 | Rs 1,24,424 | 7 37 | Rs 227 | 52 57 |
| 1886 1887 1888 1889 1890 | : | : | • | | | , | | | | | 17,24,717 17,28,410 17,34,822 17,28,138 17,23,778 | 2,49,003 2,63,792 2,79,717 2,84,695 2,86,526 | 1,19,136 1,32,274 1,30,780 1,36,578 1,41,283 | 6 91 7 65 7 83 7 90 8 35 | 215 228 242 246 246 | 52 15 49 86 51 10 55 51 49 64 |
| 1891 1892 1893 1894 1895 | • | | | - | • | • | | | | | 17,29,021 17,32,567 17,47,280 17,47,840 17,53,340 | 3,05,132 2,93,674 2,83,051 3,0(,159 3,08,156 | 1,63 478 1,54 637 1,50,420 1,56,469 1,59,091 | 9 45 8 94 8 61 8 95 9 07 | 264 254 245 265 267 | 46 42 47 28 46 86 48 96 48 37 |
| 1896 1897 1898 1899 1900 | • | : | | • | | | • | • | • | : | 17,56,8°8 17,57,160 17,77,085 17,84,166 17,84,166 | 3,13 243 3,12,656 3,14,056 3 08,759 3,32,965 | 1,57,005 1,62,563 1,58,461 1,52,491 1,61,132 | 8 95 9 25 8 92 8 55 9 03 | 271 270 272 267 288 | 49 88 48 01 49 54 50 58 51 61 |
| 1901 1902 1903 1904 1905 | • | | • | • | • | • | • | | • | ٠ | 17,92 293 17,91,612 17,93,985 17 97,555 17,98,615 | 3,30,390 3,28,510 3,33,924 3,30,635 3,26,715 | 1,57,828 1,53,348 1,63,741 1 63,606 1,55,221 | 8 81 8 56 9 13 9 07 8 63 | 285 283 288 284 284 262 | 52 23 53 53 50 96 50 70 52 49 |

Number Main head 5 GREAT INDIAN PENINSULA RAILWAY SYSTEM—

Lines comprising the system -The Great Indian Peninsula railway system is made up of-

| (a) Great Indian Peninsula railway (b) Agra Delhi Chord railway (c) Bhopal Harsi railway (d) Bhopal Ujiain railway (e) Bina Goona Baran railway (f) (7) (h) | (5' 6" gange) (5' 6' gange) (5' 6" gange) (5' 6" gange) (5' 6" gange) (5' 6' gange) (6' 0' gange) (2' 0' gange) (2' 0' gange) | | Open line Miles 1,001 03 119 75 57 39 113 27 145 63 607 90 183 53 | or sauctioned for construction Miles 45 42 6 06 | Total Miles 1,607 05 1281 57 39 113 27 115 63 810 14 250 19 12 79 |
|---|---|-------|---|---|---|
| | | Total | 2,989 10 | 133 17 | 3 122 27 |

Running powers-

| ming boacts | | |
|--|-------|-------|
| Home line over foreign lines - | | |
| Dadar innetion to Coluba, Bombay, Baroda and Central India railway, for goods trains only | | 7 25 |
| At - P Wal passenger and goods trains | | 2 89 |
| At mile, for passenger trains and 0.52 mile for goods trains | | 1 49 |
| At passenger and goods trains | | 0.63 |
| At s trains only | • | 0-28 |
| At Katni, Bengal Nagpur railway, for passenger trains only | | 1 60 |
| At Unain, Bombay Baroda and Central India railway, for passenger and goods trains | | 6.21 |
| At Cawnpore, Oudh and Robilkhand (State) railway for passenger trains only | • | 93 0 |
| From Campore to Lucknow, Ondh and Robilkhand (State) railway, for passenger and goods trains | | 44 €3 |
| | | |
| | Total | 59-97 |

Under construction

History of railways constructed and in progress.

[For Index see page 106]

Number Sub heads (a) to (h)

GREAT INDIAN PENINSULA RAILWAY SYSTEM-contd

Running powers-concld

Foreign lines over home line -

Bombay Barola and Control India railway, Dadar Vunction to Carnao bridge, for goods trains only Bengal Nagpur railway at Nagpur for Passenger and goods trains

4 39 0 65 5 04

Milos

Total

5 (a) Great Indian Peninsula railway proper (5' 6" gauge) —

This line was purchased by the State in 1900, but the working was left in the hands of the Company under the term of a new Contract, dated the 21st December 1900

The open mileage of the Great Indian Peninsula railway proper is 1,561 63 miles This may be divided inte (1) North-East line, main line (Bombay to Jubbulpore), 615 10 miles, branches, 384 99 miles (2) South-East line, main line (Kalyan to Raichur), 408 86 miles, branches, 152 68 miles Of the above 567 48 miles are double and 4 92 mile quadruple line

There are under construction 45 42 miles of single line

First sanction to the construction of the North-East line was given in 1850 and it was opened throughout in 1870 The South-East line was sanctioned in 1854 and it was opened throughout in 1871

Permanent-way — The main line is laid with 86-lb double-headed, 82-lb bull-headed and 69 lb double-headed steel iails. The sleepers originally laid were chiefly wooden, these have now to a large extent been replaced by iron pots. The whole of the South-East line, except the ghat sections, is laid with iron pots.

Ballast - The line is fully ballasted throughout with sand gravel or broken stone

Fencing - With the exception of the Mohpani, Chalisgaon-Dhulia, and Jalgaon-Amalner branches the line 1 fully fenced.

Curves —The sharpest curve has a radius of 990 feet

Gradients —The ruling gradients on ordinary sections of the main line vary from 1 in 100 to 1 in 200, with 1 in 10 banking sections near Vasind and Asvali, the ruling gradient on the ghat sections is 1 in 37 Terms of contract-

The railway is worked under the following contract -

Contract of -21st December 1900 for working the Great Indian Peninsula railway and Indian Midland railwa systems as one undertaking

The general conditions of the contract are as follows.

Government and —Government to pay interest at 3 per cent per annum on the amount for the time being paid up or credited as paid up, on the shares of stock in the new capital of the Great Indian Peninsula Railway Company, which is at present authorised at £2,575,000. All capital will be provided by the Company, by the issu of 3½ per cent per annum, or at such other rate as may be agreed upon, or will be raised by the Company, by the issu of 3½ per cent per annum, or at such other rate of interest as the Secretary of State may determine. Land was provided fiee, but any land acquired after 30th June 1900 is paid for from the capital of the undertaking

* Company's stock at date of purchase Debentures and debenture sto k Total

34,859,218 5,922,350 40,781,568

Terms of contract—The line was purchased from the Great Indian Peniusula Guaranteed Railway Company by the State in 1900, and all the contracts then subsisting between the Secretary of State and that Company were determined. The purchase Secretary of State and that Company were determined. The purchase price was £40 781,568," payable, up to the 17th August 1948, in the form of a terminable annuity of £1,268,516

Currency of contract -The contract is current for a period of 25 years from the 1st July 1900, when it will be determinable by the Secretary of State, paying the amounts paid or credited on all shares and stock and indemnifying the Company from all debts and liabilities incurred under sanction

Power of Company to surrender contract—Nil

Terms of working -From the gross earnings of the undertaking, that is of the Great Indian Peninsula and Indian Midland railways, there will be deducted-

- (i) The working expenses, which may include any single item of capital expenditure not exceeding Rs 2,000 to b lassed as a 'Minor Work', subject to a maximum charge on such account of Rs 25,000 in each half-year and a paymen f Rs 40 per mean mile worked to be made half-yearly to Government for supervision,
 - (11) A sum of Rs 1,00,00,000 which is payable to Government;
- (111) Replyment of all interest payable on all moneys other than shares or capital stock raised for the purposes o he undertaking or provided by Government after the 30th June 1900

If the receipts for any year ending on the 30th day of June exceed the payments as above detailed for the same period $\frac{19}{20}$ ths of the surplus are paid to the Secretary of State and $\frac{1}{20}$ th to the Company, provided that if the Company increases its new capital and issues fuither shares or stock as fully paid up in exchange for stock of the Indian Midland Rulway Company, the Company's share in such surplus shall be increased by an additional fractional share bearing the same proportion to the original tractional share of 10th as the additional capital of the Company so exchanged bears to the new authorised capital of £2,575,000, but the total fractional share of the Company is not to exceed a one-tently

Rates and fares - Certain maxima and minima have been fixed within which the Company is permitted to vary its rates

History of rarlways constructed and in progress. [For Index see page 106]

Number Main head 5 GREAT INDIAN PENINSULA RAILWAY SYSTEM—contd

5 (a) G1 eat Indian Peninsula railway proper (5' 6" gauge)—contd

Statistics of working-

| | 1 | | | ABIE I | | | | | TA | BLE II | |
|----------------|--|-------------------|------------------------|---------------------------------------|------------------------|-------------|---------------------------------|-------------------------|------------------------------|--|----------------------------------|
| Calendar year | Capital outly to ond of each year | Gross earnings | Net earning | Per centra on Capit ontla | Guaran teed | Annuit | Company s share on net carmings | Gain or loss to th | Calendar year | Earn ings per mile per week | Pr o ex to |
| 1879 | Rs 25,59,56,15 | Rs 2,52,48,31 | 5 1,01,90,60 |)2 3 9 | Rs 1,24,60,6 | Rs Rs | Rs 6,14,29 | Ps -28,89,33 | 5 | Rs | |
| 1880 . | 25,58,96,11 | 3 2,49,53,25 | 3 1,11 05,58 | 1 43 | 1,21,93,20 | 00 | 5,53,83 | 6 -10,41,48 | | 119 88 89 | 60 70 |
| 1881 . | 25,75,86,09 | 3,20,56,82 | 3 1,61,71,09 | 7 6 2 | 3 1,24,93,20 | 00 | 18,23,74 | 8 + 18,57,149 | 1856 | 113 | 42 |
| 1832 | 25,75,90,49 | 3,53,63,20 | 1,80,88,48 | 3 7 0 | 2 1,24,98,20 | 10 | 32,05,98 | | 1857 1858 1859 | 158 173 172 | 42 |
| 1883 | 26,07,58,700 | 3,51,14,36; | 1,75,36,00 | 5 6 75 | 2 1,25,12,82 | 5 | 33,22,91 | 8 + 17,00,262 | 1860 | 144 | 60 |
| 1834 . | 26,31,97,600 | , , , , , , | 1 | 6 06 | 1,12,81,50 | 3 | 24,76,048 | -8,02,301 | 1861 1862 1863 1864 | 189 149 175 119 | 76 62 67 |
| 1895 | 26,84,13,316 | 3,61,32,017 | 1,79,31,397 | 6 68 | 1,51,17,46 | 7 | 26,97,34 | + 1,16,586 | | | 72 |
| 1886 | 26,92,99,673 | | | | 1,60,91,13 | В | 89,89,569 | +7,97,683 | 1866 1867 1868 | 414 357 368 857 | 58 55 61 |
| 1887 | 27,03,76,543 | 1 | 2,10,80,237 | 7 80 | 1,66,44,568 | 3 | 41,03,068 | +8,32,601 | 1869 | 318 | |
| 888 | 27,25,03,364 | 4,10,50,219 | 2,16,80,667 | 794 | 1,72,81,170 | ; | 43,81,246 | +23,24> | 1870 1871 1872 | 800 307 284 | 67 62 63 |
| 889 | 27,50,89,981 | 3,70,69,814 | 1,78,91,616 | 6 51 | 1,74,32,160 |) | 26,82,255 | -22,22,799 | 1878 | | 64 |
| 890 | 27,77,29,061 | 3,81,45,212 | 1,90,22,952 | 6 85 | 1,55,93,271 | | 81,04,971 | +8,94,710 | 1874 1575 | 234 303 324 | 64 59 47 |
| 891 | 27,75,19,781 | 4,52,55,833 | 2,32 50,708 | 8 38 | 1,67,57,262 | | 51,89,008 | +13,04,438 | 1876 | 369 | 47 (|
| B92 | 27,72,17,255 | 4,03,65,627 | 2,01,95,097 | 7 28 | 1,88,04,314 | | 38,13,506 | -21,27,723 | 1877 1873 1879 | 492 429 383 | 48 3 48 9 59 6 |
| 393 . | 27,72,93,860 | 3,88,19,742 | 1,79,90,922 | 6 49 | 1,91,65,618 | | 29,25,476 | -41,00,172 | 1880 | 872 | 55 |
| 39≰ . | 27,91,09,112 | 3,62,74,296 | 1,62,42,786 | 5 82 | 2,18,32,651 | | 30,40,331 | -66,30,196 | 1881 1882 1883 1884 | 426 470 466 503 | 49 4 48 (49 6 53 (|
| 95 | 27,95,39,235 | ጓ,87,90,194 | 1,47,16,901 | 5 26 | 2,16,97,060 | | 16,20,361 | -86,00,520 | 1885 | 467 | 50 4 |
| 96 | 27,90,29,173 | 8,44,19,629 | 1,54,05,060 | 5 52 | 2,02,18,872 | | 21,53,257 | 69,67,069 | 1886 1887 1888 | 503 511 526 | 46 4 46 9 |
| 97 | 27,92,85,611 | 2,81,32,402 | 98,83,654 | 3 36 | 1,89,46,479 | | | - 95,62,825 | 1889 | 494 | |
| 98 | 28,18,87,621 | 8,49,77,496 | 1,41,02,053 | 5 00 | 1,83,20,513 | | 13,57,327 | —55,75,787 | 1690 1691 1892 | 508 584 575 | 51 49 49 86 48 25 |
| 09 | 28,55,49,756 | 3,58,09,431 | 1,56,57,520 | 5 48 | 1,70,65,941 | | 17,77,032 | -40,85,456 | 1893 | 501 | 49 9 |
| 0 { 1st half } | 30,27,49,717 | 8,46,31,925 | 95 37,130 66,30,083 | 3 <u>15</u> 2 <u>19</u> | 80,65,500 24,84,267 | 94,88,589 | 14,49,203 | -8,7° 573 -52,93,973 | 1594 1895 1896 | 468 436 411 | 53 53 55 18 56 38 55 20 |
| 1 | 30,38,67,135 | 4,16,57,453 | 2,16,48,151 | 7 12 | 48,96,908 | 1,90,87,970 | 2,72,210 | -26,08,937 | 1897 1898 | 367 | 66 96 |
| 2 . | 80,57,71,091 | 4,23,12,668 | 2,10,73,833 | 6 89 | 49,41,692 | 1,90,56,785 | | \$2,17,456 | 1899 1900 | 450 462 439 | 59 49 55 76 52 49 |
| 3 | 31,08,53,055 | 4,68,61,584 | 2,88 12,514 | 7 66 | 50,66,786 | 1,90,28,730 | 8,22,878 | -6,09,880 | 1901 1902 | 518 | 48 03 |
| ı . | 82,00,72,108 | 4,82,41,844 | 1,41,79,728 | 7 55 | / | 1,90,28,780 | 2,91,513 | -4 50,2,2 | 1903 1904 | 523 575 592 | 50 18 49 18 49 88 |
| , . | 82,65,20,022 | 5,22,33,877 | 2,70,20,162 | 8 31 | | 1,90,28,730 | | +17,68,213 | 1905 | 641 | 48 27 |

History of railways constructed and in progress.

'[For Index see page 106]

Number Main head 5 GREAT INDIAN PENINSULA RAILWAY SYSTEM—contd.

5 (a) Great Indian Peninsula railway proper (5' 6" gauge)—concld

Statistics of working-concld

| tatistics | | | WARDHA | COAT | BRAN | CH | | | | DH | OND-M | ANMA | D BRAI | NCH | | _ |
|--------------------------------------|---|--|--|---|--|--|-----------------------|---|---|---|--|----------------------------------|--|--|---------------------------|--------------------|
| | | | TABLE | 1 | | | TABL | E II | | | TABLE | : I. | | | TABL | e II |
| Calendar year | Capital outlay to snd of each year | Gross earn ings | Net earmngs | Per cent on Capital ont lay | In terest | Gain or loss to the State | ngs | Pro of exp to earn angs | Capital outlay to end of oach year | Gross earnings | Net earn- ings | Per eent on Capi tal ont- | In- terest | Gain or less to the State | ngs per mile per | Pro of exp to sarn |
| 1879 1880 1881 1882 1883 | Rs 55,99,772 57,32,921 58,80,993 60,94,186 63,93,758 | Re 1,65,158 3,02,879 4,75,988 5,95,622 7,64,702 | 1,1°,447 98,287 | 2 03 1 61 | Rs 2,51,481 2,57,032 2,37,916 2,38,834 2,47,602 | -1,18,469 -1,40,549 | 2 65 197 7 255 | 59 80 | 1,07,29,227 99,49,346 99,25,416 1,00,64,757 | 6,95,094 6,33,862 7,99,558 8,22,833 | 1,22,588 1,59,192 1,92,139 | 0 61 1 23 1 60 1 91 | 4,76,299 3,93 438 3,97,809 4,02,581 | Rs -4,35,189 -4,11,151 -2,70,850 2 -2,38 610 5 -2,10,446 | 91 # 109 | 1 |
| 1884 1885 1886 1887 1888 | 66,20,641 66,65,755 71,93,093 71,00,635 70,91,230 | 6,81,037 6,53,649 7,28,205 7,68,052 | 1,35,936 | 2 20 1 1 89 1 1 86 | 2,64,219 2,78,228 2,89,465 | -49,314 -1,17,924 -1,42,29 -1,57,48 -86,50 | 108 2 114 4 125 | 64 80 80 66 92 23 6 80 76 74 21 | 1,02,49,438 1,02,63,278 1,09,26,745 1,09,46,938 1,09,75,118 | 10,31,704 | 2,20 623 2,33,764 2,27,338 2,55,145 | 2 15 2 16 2 2 05 2 2 35 | 4,10,54 4,30,35 4,37,89 4,38,45 | 3 -2,04 49 4 -1,89,92 3 -1,96,58 3 -2,10,55 9 -1,83,01 | | 10 |
| 1889 1890 1891 1892 1893 | 70,54,755 70,06,181 49,81,196 49,87,689 49,87,689 | 8,62,694 9,33,326 2,58,971 2,32,986 | 2,99,621 2,75,001 60,053 31,096 | ט ט ען | 2,81,296 2,03,779 1,99,337 | -6,29 $-1,43,72$ $-1,65,24$ | 5 140 6 • | | 1,09,89,83 1,09,93 448 1,10,44,03 1,10,73 02 1,11,37,12 | 10,61,316 11,90,346 12,18,415 12,90,79 | 2,63,134 3,08,583 3,28,33 3,48,57 | 2 3 2 7 5 2 9 2 3 1 | 9 4,39,62 9 4,40,29 6 4,42,53 3 4,44,24 | -1,14,20 -95,67 | 5 3 0 4 | |
| 1894 1895 1896 1897 1898 | 49,87,689 49,90,794 49,96,305 49,96,325 49,96,325 | 1,93,552 2,06,078 1,98,858 | 83,85 58,53 | 9 1 79 2 1 53 9 1 65 1 1 11 7 1 5 | 3 1,99,539 3 1,99,74 7 1,99,79 | 9 —1,23,17 5 —1,15,88 4 —1,41,26 | 36 33 | | 1,12,11,64 1 13,18,24 1,13,73,05 1,14,06,53 1,14,23,07 | 0 13,11,58 4 12,01,14 | 1 4,0°,23 5 3,67,39 3 2,81,27 6 2,8°,53 | 3 3 6 5 9 2 2 4 6 2 5 | 4,56,23 4,56,41 | $ \begin{array}{rrrr} 04 & -41,87 \\ -87,63 & -87,63 \\ -1,71,93 \\ -1,66,83 \end{array} $ | 1 3 8 5 | : |
| 1899 1900 { 1st he 1901 | 49,96,32 | 2,07,21 1,75,38 | 82,50 | 4 } | 99,92 | -19,1 | 7判} | | 1,15,34,10 * Amalga | 7 11,55,03 7,25,613 m ated with | 2,11,53 | 4 } | 50 4 59,29 2 30 29 1d nn Pe | 20 -18,68 | <u> [6</u>]} | |

| | | KIIA | MGAON B | RANCH | | 1 | | A 3 | IRAOTI B | RANCH | | |
|---|--|--|--|--------------------------------------|---|------------------------------------|--|--|---|---|-----------------------------------|------------------------|
| | | TABLE | I | | TABL | E II | | Table 1 | [| | TABLE | II |
| Galendar year | Capital outlay to end of each year | Gross carnings | Nst earnings | Per cent on Capital outlay | Earn- ings per mile psr week | Pro of oxp to earn-ings | Capital ontlay to end of each year | Gress earnings | Net earnings | Per eent on Capital outlay | Earnings per mile per week | Pro of exp to earnings |
| 9 . 0 11 122 | Rs 5,35,617 5,19,888 4,99,271 4,91,164 4,90,996 | Rs 30,086 27,363 41,506 75,966 62,657 | Rs -266 4 922 4,561 30,389 22,469 | 0 94 0 92 6 19 4 58 | Rs 146 91 * * | 100 69 84 44 * * 64 14 | Rs 4,77,043 4,45,585 4,45,C63 4,44,651 4,44,860 | Rs 69,904 50 866 53,934 85,147 96,160 | Rs 16,175 3,639 34,424 39,575 41,387 | 9 39 0 82 7 72 8 89 9 88 | Rs 221 163 * * 308 | 76 8 92 8 |
| 54 35 66 87 • | 4,90,903 4,90,739 4,89,613 4,89,180 4,38,357 | 45,830 41,363 59 452 53,479 52,635 | 13,037 11,020 20 233 16,990 15,797 | 2 66 2 25 4 13 3 47 3 23 | 113 | 72 16 | 4,44,774 4,14,730 4,44,686 4,41 308 4,43,892 | 76,782 80,503 95,111 88,157 81,710 | 31,174 34,447 44,137 35,855 30,886 | 7 68 7 75 9 93 8 07 6 96 | 246 | 554 |
| 89 90 91 92 • | 4,90,911 4,90,520 4,90,408 4,89,132 4,87,567 | 65,372 | 22,528 26 092 32,620 30,909 21,997 | 4 59 5 32 6 65 6 32 4 51 | | • | 4,45,615 4,45,155 4 49,395 4,50,160 4,49,998 | 1,02,023 1,01,502 1,12,909 1,05,762 43,941 | | 9 85 10 39 11 88 10 80 9 57 | | |
| 91 95 95 96 997 998 | 4,86 003 5,20,947 5,22,603 5,22,150 5,22,150 | 21,966 26 031 24 446 13,901 24,326 | 26,031 24,446 13,901 | 4 69 2 66 | | - | 4,49,461 4,49,988 4,51,119 4,52,415 4,54,498 | 42,795 39,137 43,756 80,746 40,057 | 38,25° 42,871 29,862 | 9 32 8 50 9 50 6 60 8 62 | | |
| 899 900 901 902 { 1st linif } 902 { \(\text{ind linif } \) | 5,22,150 5,22,150 5,22,150 | 33,783 | 23,33 | 7 4.47 | 1 | | 1 . | 73,090 78,532 1,08,578 79,582 | 50,537 | 2 11 1: | 1 | 53 |

^{*}Included with the Great Indian Peninsula railway.

History of railways constructed and in progress. [For Index see page 106]

Number Sub heads (a) to (b)

GREAT INDIAN PENINSULA RAILWAY SYSTEM-contd.

5 (b) Agra-Delhi Chord railway (5' 6" gaugo)-

This railway has been constituted by the State and is worked by the Great Indian Peninsula Railway Company. Dotails of construction-

This rulway is 119 75 miles long Its construction was sanctioned in 1898 and it was opened in 1904.

There were, in addition, 6 06 miles under construction

Permanent-way -The line has been laid with 85-lb bull-headed steel rails on 45-lb east iron chairs spiked with 3

Ballast—The line is billasted with kunkir soling and stone ballast to bring it up to full section Fencing—Kosi-Delhi section is fenced and Agra Kosi section is being fenced Curves—The sharpest curve is of 950 feet radius

Gradients —The ruling gradient of the line is 1 in 400, except between Raja Ki Mundi Junction and Agra Jail and between Delhi Sadr and Delhi Junction where it is 1 in 200 and 1 in 333, respectively Torms of contract-

This railway is being worked under a contract (between the Scoretary of State and the Great Indian Peninsula Railway Company) which is under execution and which is to be deemed to have commenced on and from the day on which the Agra-Delhi Chord Rulway was opened for public traffic The general conditions of the contract are as follows—

Government and -The line is the property of the State

Currency of contract -The contract may be terminated on the 30th June or 31st December during its subsistence either by the Secretary of State or the Company giving to the other party not less than twelve calendar months' notice in writing

Terms of working —The charge for working expenses of the Agra Delhi Chord Railway bears the same proportion to its gross earnings as the entire working expenses of the Great Indian Pennsula Railway "undertaking" meluding the Agra-Delhi Chord Railway bear to their combined gross carnings Tho whole of the net earnings belong to Government

Rates and fares - The same as are in force on the Great Indian Peninsula Railway undertaking

Statistics of working-

| | | | TABLE | I | | , | TAE | LE II |
|---------------|--|-------------------|-----------------|-------------------------------------|----------------------|------------------------------|-------------------------------|--|
| Calendar year | Capital outlay to end of each year | Gross carnings | Not carmings | Per cent on capital outlay | Interest charges. | Gain or loss to the State | Earnings per mils per week | Proportion of ex ponses to carnings |
| \ | Re | Rs | Rs | | Rs | Rs | Rs | |
| 1904 . | 1,05,91,000 | 18,070 | 9,992 | 0 03 | 2,95,164 | -2,85,172 | 43 | 41 71 |
| 1905 | 1,22,46,927 | 8 0 1,055 | 4,19,625 | 3 13 | 4,20,181 | 556 | 140 | 47 85 |

5 (c) Bhopal-Itars: railway (5' 6" gruge)-

Details of construction-

This rulway is 57 39 miles long — Its construction was canctioned in 1880 and it was opened in 1884

Permanent-way -The line is laid with the Indian Midland railway 80-lb flat footed steel rails on Indian Midland railway east iron pot sleepers

Ballast -Tho line is fully ballasted throughout with broken stone

Fencing -The line is fenced throughout

Curves - There are no curves with a radius of less than 990 feet

Gradients -Tho ruling gradient is 1 in 200, oxcept on the Ghat section, 11 miles, where it is 1 in 80 Torms of contracts-

The Bhopal-Itaisi railway is worked under the following -

Agreement of-16th September 1880 (between the Government of India and Her Highness the Begum of Bhopal) for construction

2nd December 1890, supplemental to that of 1880 for division of profits

Contract of-21st December 1900 (between the Secretary of State and the Indian Midland Railway Company) for maintenance and working by the Groat Indian Peninsula Railway Company

The general conditions of the contracts are as follows -

Government and—The British Government have paid for the portion, 13 11 miles, in British territory, and a moiety of the cost of the bridge over the Nerbudda, or in all about 13 lakhs, the Begum of Bhopal has contributed 50 lakhs for the portion of the line in her dominions—All additional capital has to be provided by Government

Currency of contracts — The provisions in the principal contract between the Socretary of State and the Railway Company itself with reference to the termination of that contract extend, and are applicable, to the Bhopal-Itarsi railway.

Power of Company to surrender contracts -Nil

Terms of working—The Company receives a sum bearing the same percentage to the gross receipts of the Bhopal-Itarsi railway as the aggregate working expenses of the whole open system of the Company (including the Bhopal-Itarsi railway) bear to the aggregate gross receipts of that system. The balance of the gross receipts are divided in perpetuity between the British Government and the Ruler of Bhopal in proportion to the capital contributed by each party. In the event of the railway being worked at a loss, such loss to be borne in the same proportion

History of railways constructed and in progress. [For Index see page 106]

GREAT INDIAN PENINSULA RAILWAY SYSTEM-contd. Main head 5 Number $\frac{1}{\text{Sub heads (a) to (b)}}$

5 (c) Bhopal-Itars: railway (5' 6" gauge)-concld

Terms of contracts-concld

Rates and fares -The same rates and fares as are in force on the Great Indian Peninsula railway.

Statistics of working-

| | | | | TABLE | I | | | | | | 1 | TABI | E II | |
|--|--|--|--|--------------------------------------|--|--|--|--|---|--|---|---|--|---|
| | | BHOPAL I | tarsi (Bri | TISH SEC | TION) | | BHOPAL | ITARSI (| NATIVE ION) | STATE | British s | section | Native sceti | |
| Calendar year | Capital ontlay to end of each year | Gross earnings | Net earnings | Per eent on Capital ontlay | In terest | Gain or loss to the State | Capital ontlay to end of each year | Gross earn- ings | Net earn ings | Per eent on Capital ontlay | Larn ings per mile per week | Propor tion of expen ses to carn ings. | Earn ings per ' mile per week | Proportion of expenses to earnings |
| 1880 | Rs | Rs | Ra | | Rs | Rs | Rs 1,21,846 15,78,157 | Rs | Rs | | Rs | | Rs | |
| 1881 1882 1883 1884. | 12,50,000 12,50,000 12,50,000 | 14,376 25,573 7,664 | 2,704 —9,135 —1,406 | 0 08 | 50,000 50,000 50,000 | -47,296 -59,135 -51,406 | 15,78,157 34,60 091 38,23,236 45,83,261 | 14,376 25,573 28,102 | 2,704 -9,135 -5,152 | 0 08 | 70 43 40 | 81 90 135 72 104 13 | | ded with |
| 1885 1886 1887 1888 | 12,50,000 12,50,000 12,50,000 12,50,000 | 27,425 27,822 48,227 55,117 79,163 | -3 874 -3,240 3,850 5,340 | 0 31 0 43 | 50,000 50,000 50,000 50,000 50,000 | -44 ,660 | 48,26,036 48,09,939 48,01,701 | 1,04,683 1,47,416 1,85,576 1,86,548 2,67,936 | -14,789 -12,501 14 813 18 072 -18,351 | 0 31 0 38 | Include Penin | d with sula rail | Great way | Indian |
| 1890 • , 1891 • , 1892 • , 1893 • , | 12,50,000 12,85,077 15,13,568 17,46,208 20,25,058 21,71,496 | 87,765 1,30,884 1,53,099 1,69,162 1,61,638 | -5,422 -16,572 48,607 56,397 52,038 61,455 | 3 21 3 23 2 57 2 83 | 50 351 57,713 69,131 78,420 83,509 | -26.391 | 50 00,000 50,00 000 50,00 000 | 2,97,049 4,66 431 4,47,797 4,21,236 | -56,093 1,73,154 1,56,863 1,30,925 | 3 46 3 32 2 62 2 89 | 130 200 226 251 237 | 118 88 62 50 63 16 69 17 61 98 | 130 199 195 185 166 | 118 88 62 50 62 96 69 17 61 97 |
| 1895 1896 1897 1898 1899 | 22,47,963 22,71,877 22,97,134 23,24,365 23,61,938 | 1,42,658 1,63,688 1,52,215 1,93,364 2,09,611 | 46,114 62,744 61,135 79,485 84,080 | 2 05 2 76 2 66 3 42 3 56 | 89,323 90,107 91,805 92,477 93,303 | -43,209 -27,363 -30,671 -13,042 - 9,223 | 50,00,000 50,00,000 | 3,61,863 3,31,379 | 1,88,532 1,33,070 1 71,375 | 2 06 2 77 2 66 3 43 3 59 | 209 241 223 284 807 | 67 68 61 75 59 84 58 81 59 89 | 138 157 141 181 191 | 67 64 61 63 59 84 58 90 59 88 |
| 1900 1901 1902 1903 1904 1905 | 23,87,339 25,46,891 28,02,330 30,92,697 31 52,907 31 76 930 | 2,55,120 2,92,861 3,53,111 8,77,177 3,95,734 8 25 313 | 1,27,332 1,44,235 1,71,236 1,91,449 1,98,066 1 67 905 | 6 19 6 28 | 95,293 98,989 1,06 632 1,17,285 1,20,127 1,23 241 | +32,039 +45,246 +64,604 +74,158 +77,939 +44 064 | 50,00,000 50,00 000 50,00,000 | 6,43,742 | 2,88,838 3,16,683 3,21,328 3,22,374 | 5 35 5 77 6 33 6 43 6 45 5 36 | 375 430 518 559 583 477 | 50 12 50 75 51 51 49 48 50 14 49 57 | 332 254 274 327 279 227 | 50-00 50-64 49-74 49-81 49-81 486-16 |

51(d) Bhopal-Ujjain railway (5' 6" gauge)—

Details of construction-

This railway is 113 27 miles long
Its construction was sanctioned in 1892 and it was opened in 1895.

Permanent way —The permanent-way consists of 75-lb flat-footed steel rails on transverse steel sleepers

Ballast — The line is fully ballasted throughout with broken stone

Fencing — The line is fenced only at, and in the vicinity of, stations, towns and important level crossings

Curves -There are no curves with a radius of less than 990 feet

Gradients — The ruling gradient is 1 in 150

Terms of contracts-

The Bhopal-Ujjain and Bina Goom Baran railways are worked under the following —

15th July 1896
4th August 1896
12th May 1899
Company, for worked under the following —

Company, for worked under the following —

Highness the Begum of Bhopal and that of His

Company, for worked

Company, for worked

Company, for worked

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Company, for worked Agreements of -15th July 1896

20th February 1899 (between the Government of His Highness the Maharao of Kotah and the Indian Midland Railway Company) for working.

16th March 1905 (between the Took and Gwalior Duibars) for purchase by the latter of that section of the Goona-Baran Railway which lies within the Tonk State

Contract of-21st December 1900 (between the Secretary of State and the Indian Midland Railway Company) for maintenance and working by the Great Indian Peninsula Railway Company

The general conditions of the agreements are as follows -

Government and — The line from Bina to Baran is owned jointly by the Duibars of the Gwalior and Kotah States, the Gwalior Durbar having purchased the portion which originally belonged to the Tonk Durbai and that from Bhopal to Ujjain by the Bhopal and Gwalioi States.

Currency of agreements -The agreements may be terminated on the oxpiry of ten years from the dates of the opening of the railways, or on the 30th June of 31st December in any year thereafter, on twelve months' notice in writing being given by either party

Terms of working—The Company ictains 50 per cent of the gross receipts of the railway of each half year, and icceives reut for works, &c, in sole and joint use at Bina and Ujjain Junctions respectively, and rent for the telegraph lines and instruments when not the property of the iailway (These terms are applicable to those portions of the Bhopal-Ujjan and Bina-Goona-Baran railways which are owned by the Gwalior State, except in the ease of that pointon which originally belonged to the Tonk Duibar and was subsequently purchased by the Gwalier Durbar)

History of railways constructed and in progress [For Index see page 106]

Number Main head 5 GREAT INDIAN PENINSULA RAILWAY SYSTEM—contd.

5 (d) Bhopal-Ujjain railway (5' 6" gauge)—concld

Terms of contracts-concld.

The Company retains out of the gross receipts a sum (which includes any single item of capital expenditure not exceeding Rs 1,000 to be classed as a 'Minor Work', subject to a maximum charge on such account of Rs 20 per mile open in each half-year) bearing the same percentage to the entire gross receipts of the railway for each half-year as the aggregate working expenses of the whole system of the Company (including the railway) bear to the gross receipts of that system for the same half-year (These terms are applicable to those portions of the Bhopal-Ujjain and Bina-Goona-Baran railways which are owned by the Bhopal and Kotah Durbars, and to that portion which originally belonged to the Tonk Durbar and was subsequently purchased by the Gwalior Durbar.

Rates and fares — The same rates and fares as are in force from time to time on the Great Indian Peninsula railway.

Statistics of working-

| | | | Table 1 | [| | Table II. | | |
|--------------------------------------|---------------|-----|---|--|--|--------------------------------------|------------------------------------|---|
| | Calendar year | | Capital outlay to end of each year | Gross carnings | Net earnings | Per cent on Capital outlay | Earnings per ' mile per week | Pro of exp to earnings. |
| 1892 1893 1894 1895 | | | Rs 88,462 22,76,663 -53,53,849 69,69,331 | Rs ** | Rs. | 440 | Rs | |
| 1896 1897 1898 1899 1900 | | ``` | 77,77,604 75,36,180 75,85,789 76,54,290 76,88,020 | 3,69,114 3,72,837 4,16,940 5,82,341 9,46,349 | 1,80,218 1,84,660 2,05,051 2,77,911 4,65,681 | 2 32 2 45 2 70 3 63 6 06 | 63 63 71 99 161 | 51 17 50 40 50 82 52 28 50 79 |
| 1901 1902 1903 1904 1905 | • | • | 77,61,569 78,02,855 78,11,402 78,14,670 78 35 712 | 5,45,956 5,82,063 4,44,766 4,54,721 6 08,240 | 2,62,044 2,92,357 2,23,049 2,27,387 8 06,659 | 3 33 3 75 286 2 91 8 91 | 93 99 76 77 103 | 52 00 52 36 49 85 49 99 51 28 |

5 (e) Bina-Goona-Baran railway (5' 6" gauge) -

Details of construction-

This railway is 145 63 miles long. Its construction was sanctioned in 1892 and it was opened in 1899 Permanent-way—The line is laid with 75-lb flat-flooted steel iails on deodar sleepers. Ballast—The line is ballasted with broken stone and laterite

Fencing —The line from Bina to Goona is fenced The Goona-Baran section is unferced except at stations.

Curves -There are no curves with a radius of less than 990 feet

Gradients — The ruling gradient is 1 in 125

Terms of contract -The terms of the Bhopal-Ujjain railway, [5 (d)], apply

Statistics of working-

| | | | | TABLE I | | | " de l'a | Tabi | e n. |
|--------------------------------------|---|---------------|---|---|--|--|--------------------------------------|----------------------------------|---|
| | | Calendar year | | Capital outlay to end of each year | Gross earnings | Net earnings | Per cent on Capital outlay | Earnings per mile per week | Pro of exp to earnings |
| | | | | Rs | Rs | Rs | | Rs | |
| 1891 1892 1893 1894 | , | • | • | 51,905 2,57,611 35,18,701 47,79,018 | 0 *** | 244 | | | *** |
| 1895 | | • | | 49,81,035 | | | { | 19 | 54 42 |
| 1896 1897 1898 1899 1900 | • | | ı | 54,16,074 87,73,621 97,66,068 99,31,680 1,00,21,605 | 91,140 1,02,386 1,30 001 2 67,359 4,34,817 | 36,821 43,446 58 040 1,26,103 2,20,490 | 0 68 0 50 0 59 1 27 2 20 | 24 27 85 43 57 | 59 60 57 57 55 36 52 83 49 29 |
| 1901 1902 1903 1904 1905 | • | • | | 1,00,43,286 99,14,412 99,62,459 99,87,016 99,90,394 | 2,52,716 2,38,825 3,21,585 3,91,886 3 68 669 | 1,22,970 1,19,792 1,62,417 1,97,745 1,88,121 | 1 22 1 21 1 63 1 98 1 88 | 83 82 42 52 49 | 51 34 52 71 49 49 49 54 50 83 |

5 (f) Indian Midland railway (5' 6" gauge)-

Details of construction—
The open mileage of the Indian Midland iailway is 807 90 miles, which may be divided into main line (Bhopal to Agra Road), 316 63 miles, and branches, 491 27 miles

Sunction was first given to the construction of this line in 1876 and the main line was opened throughout in 1889.

Senction was first given to the construction of this line in 1070 and the main line was opened throughout in 1889.

Besides the above there are 2.24 miles under construction.

Permanent-way — The whole of the main line, the Manikpur branch, the Cawnpore branch from Jhansi to mile 326 64, and from Bina to Katni, are laid with 80-lb flat-footed steel ruls on cast iron pot sleepers. The Cawnpore branch from mile 326 64 to Hamirpur Road is laid with East Indian railway 75-lb double-headed steel ruls on Denham Olpherts' sleepers.

The East Indian railway type rails and Denham Olpherts' sleepers are being gradually renewed with Indian. Midland railway 80-lb flat footed steel rails and cast iron oval pots

Ballast -The line is ballasted with gravel, laterite, kunkur or stone

Fencing —The main line is fenced throughout and the branches are partially fenced.

History of railways constructed and in progress. [For Index see page 108]

GREAT INDIAN PENINSULA RAILWAY SYSTEM-contd. Number $\frac{\text{bub heads }(a) \text{ to }(h)}{\text{bub heads }(a) \text{ to }(h)}$

5 (f) Indian Midland railway (5' 6" gauge)-concld

Details of construction-concld

Curves - There are no ourves with a radius of less than 990 fect

Gradients -The ruling gradient between Bhopal and Jhansi is 1 in 200, between Jhansi and Agra 1 in 150 and between Jhansi and Manikpui 1 in 125 Tho Jhansi Cawapore branch is practically level, except at bridge approaches where the gradients are 1 in 250 and 1 in 300, and between Jhansi and Garhman where it is 1 in 200 Terms of contracts-

The railway is worked under the following contracts —

Contracts of—2nd October 1885—Indian Midland Railway Company's principal contract.

18th March 1890—Contract for the acquisition of the Scindia railway.

13th June 1896—Contract for the Saugor-Katnı railway

21st December 1900-Contract for the transfer of the working of the Indian Midland railway to the

Great Indian Peninsula Railway Company.

Government and —Interest at 4 per cent per annum in sterling is guaranteed on £3,000,000 share capital On further capital that may be required the guarantee to be 4 per cent or such other rate as may be agreed upon A considerable amount of capital has been advanced by Government for the existing system; and, in the case of the Saugor-Katan extension, it has been agreed that all money required for expenditure in India shall be supplied by the Government,

the Company raising only the amount required for expenditure in England Land was provided free

Currency of contracts—(1) Indian Midland railway contract—The contract of 1885 may be determined by Government

giving 12 months' previous notice on the 31st December 1910, or on the 31st December of any succeeding tenth year Government may also terminate the contract at any time, on six months' notice, if the Company fails to fulfil its obligations, or if the line be worked at a loss for not less than three half-years continuously. On the termination of the contract the Company is to hand over to Government the railway and all its belongings of every description, and Government are to repay the amount at par of the share capital which has been paid by the Company. The contract of 1900 is current for a period of 25 years from the 1st July 1900, but the Indian Midland Railway Company's right to a 4 per cent guarantee on share capital and one-fourth share of surplus profits remains in full force till the termination of either the contract of 1885 or that of 1900.

(2) Scindia and Saugor-Kaine railways contracts - Tho contracts of 1890 and 1896 run concurrently with that of 1885,

to which they are supplemental.

Power of Company to surrender contract—Nil

Terms of working—From the gross earnings for any calondar year will be deducted working expenses, and the net
carnings applied towards payment to Government of interest on advances of capital made by it to the Company and for repayment of the interest paid by it to the Company for that year, the balance to be divided in proportion of threefourths to Government and one-tourth to the Company

Rates and fares -Certain maxima and minima have been fixed within which the Company is permitted to vary

Statisties of working-

| | | | | | | TAI | BLE I | | | | | | TAB | LC H | |
|--|--------|-----|------|---|--|--|--|------------------------------|--|-----------------------------|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | ~ ` | • | | | Capital | | 37.7 | Per cent | | Com- | | Sen | DIA | Indian | Midland |
| | Calend | dar | year | • | outlay to end of each year | Gross carnings | Not carnings | on Capita outlay | Interest | share of net carnings | Gain or loss to the State | Earnings per mile per week | Pro of exp to carnings | Earnings per mile per week | Pro of exp to earnings |
| 1878 1879 | | _ | | | Rs | Re | Re | | Rs | Rg | Rs | Rs 54 | 133 30 | Rs | |
| 1879 | , | • | | | 73,22,551 | 90,916 | -33,772 | 1 | 3,06,178 | | -3,37,950 | 39 | 184 95 | | |
| 1880 1881 1882 1883 | | • | • | | 81,63,253 88,16 663 87,63,714 92,92,537 | 2 01,823 3,01,681 8,29,299 8,38,511 | 20 129 78,842 92,231 1,59,716 | 0.25 0.91 1.05 1.72 | 3,57,620 3,48,809 3,47,803 3,56,750 | | -3,37,491 -2,70,467 -2,55,072 -1,97,034 | 58 81 85 87 | 88 05 77 35 71 99 52 82 | | ٠ |
| 1884 1885 1886 1887 | . : | : | • | | 1,18,68,111 1,60,14,107 2,48 06,293 5,10,96,457 | 3,68,326 3,94,081 3,91,832 6,32,204 | 1,72,603 1,99,680 2,14,526 2,78,043 | 1 45 1 24 0 86 0 51 | 3,74,122 6,48,112 18,69,268 20,00,184 | , | -2,01,519 -4,48,432 -16,54,712 -17,22,141 | 95 101 101 117 | 53 14 49 33 49 69 46 62 | 56 81 | 82 03 80 63 |
| 1888 1889 1 890 1 891 | • | • | | • | 6,96,63,213 7,84,45,085 8,32,79,427 8,52,46,148 | 10,27,638 30,69,255 31,22 365 41,62,361 | 3,74,201 6 33,111 5,99,780 13,52,172 | 0 54 0 81 0 72 1 59 | 28,55,488 31,24,456 36,09,286 33,12,200 | | -24,81,284 -24,91,045 -30,09,506 -19,60,028 | 95 | 47 74 | 99 92 86)1 5 | 72 53 77 32 80 80 67 51 |
| 1892 1893 1894 1895 | : | | | | 8,65,79,006 8,71,62,843 8,78 06,437 8,81,49,985 | 44 77,625 44,59,053 52,22,033 44,91,707 | 17,26,260 17,00,409 22,02,334 16,48,360 | 1 99 1 95 2 51 1 87 | 37,23,995 41 40,194 42,59,815 45,97,495 | | -19,97,725 -24,39,785 -20,57,491 -29,49,135 | | | 124 123 144 124 | 61 45 61 87 57 83 63 30 |
| 1896 1897 1898 1899 | | • | • | • | 9,25,53,896 9,77,91,421 9,96,74,805 10,16,34,072 | 48,51,951 54,89 540 56,25,823 64,77,226 | 20,17,929 24,06,565 25,11,911 27,82,950 | 2 18 2 46 2 52 2 74 | 44,23,983 42,53,893 39,99,986 39,66,461 | | -24 06,154 -18,47,328 -14,88,075 -11,83,511 | | | 134 150 147 152 | 58 41 56 16 55 35 57 03 |
| 1900 1901 1902 1903 | • | | | | 10,31,35,002 10,58,27,081 10,62,11,714 10,98,96,302 | 90,60,560 82,4.,068 90,49,628 60,86,118 | 48,72,287 42,50,587 44,86,267 40,92,942 | 4 72 4 02 4 22 3 73 | 38,18,460 38,82,861 41,04,505 41,85,502 | 1,88,164 7,830 2,062 | +10,53,627 + 1,79,562 + 3,74,432 - 94,622 | | | 213 199 209 180 | 46 23 48 43 50 43 49 35 |
| 1904 1905 | • | | | ^ | 11,22,35,779 11,31,43,178 | 82,90,712 79,91,323 | 41,48 862 40,84,528 | 8 70 3 61 | 42 59,767 42,77,173 | | -1,10,905 -1,92,645 | | | 183 178 | 49 9 6 48 89 |

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 5 to (h) GREAT INDIAN PENINSULA RAILWAY SYSTEM—concld.

5 (g) Gwalior Light railway (2' 0" gauge)-

Details of construction-

The open mileage of this railway is 183 53 miles, and may be divided into the following sections —(1) Gwalior to Sipri, 73 81 miles, (2) Gwalior to Bhind, 52 33 miles, and (3) Gwalior to Sabalgaih, 57 39 miles The several sections were opened in 1899, 1899 and 1904, respectively

Besides the above there are 66 66 miles under construction

Permanent-way — The permanent-way consists of 30-lb flat footed steel rails, laid on sal and steel trough sleepers Ballast — The line is fully ballasted throughout with broken stone, sand and moorum

Fencing —The line is fenced between Gwalior and Morai only

Curies —The sharpest curve in station yards has a radius of 200 feet. The sharpest curve ont of stations has a radius of 955 feet.

Gradients — The ruling gradient is 1 in 60

Terms of contract-

The railway is worked under the following agreement -

Agreement of -11th October 1900 (between the Government of His Highness the Maharaja Seindia of Gwalior and the Indian Midland Railway Company) for working

The general conditions of the agreement are as follows -

Government and -Nil The Gwahor Light railway is the property of the Gwahor Durbar

Currency of contract -Either party may determine the agreement by giving three months' notice

Terms of working—The gross receipts are collected and treated as receipts of the Indian Midland Railway Company and from them are deducted the actual expenditure in the Traffic and Audit departments for station and train staff, and t clerks, on printing and stationery and stores consumed, and all other expenses connected therewith and 5 per cent per annum for constinction and maintenance of accommodation required for the exclusive use of the Light railway, 7½ per cent for ballast, permanent-way, etc., including maintenance and renewal plus 15 per cent to cover supervision and general charges other than those rendered in the accounts. The balance is paid over to the Gwalior Durbar.

Rates and fares -Rates and fares are the same as those in force on the Great Indian Peninsula railway.

Statistics of working-

| | 7 | Cable I. | | Table II | | | |
|--|---|---|---|------------------------------|---------------------------------------|--|--|
| Calendar Jear | Capital outlay to end of each year | Gross ournings. | Net earnings. | Per cent on capital outlay | Larnings per milo per week | Proportion of expenses to carnings | |
| 1696 | Rq. 2,166 | Rs | Rs | Rs | Rs | | |
| 1806 1807 1809 1809 - 1900 1901 1902 1903 1904 1905 | 1,03,553 9,30,815 22,79,267 27,10,557 31,07,277 31,77,104 41,76,051 46,62,993 54,72,847 | 4,094 84 617 82,227 1,09,577 1,66,002 1,83,284 1,81,735 | -4,113 -137 -520 9,346 68,226 52,501 52,745 | 0 33 1 63 1 13 0 96 | 6 13 13 17 25 22 20 | 258 32 100 16 100 63 91 47 58 90 71 36 72 20 | |

5 (h) Matheran Light railway (2' 0" gange)-

Details of construction -

The line, from Neral station on the Great Indian Peninsula railway to the hill station of Mathoran, will be 12 79 miles long

Its construction by Mr Abdul Husein Adamjeo Peerbhoy of Bombay has been authorized by an order contained in the Bombay Government, Public Works Department (Railway), Notification No 34, dated the 28th July 1904 On completion the line will be worked by the Great Indian Peninsula Railway Company

Terms of contract-

This railway will be maintained and worked under-

Terms—Contained in the order accompanying Bombay Government Notification No 34, dated the 28th July 1904. The general conditions are as follows —

Government and -Free provision of Government land.

Currency of agreement —Government may purchase the undertaking as a going concern from the promoter on 1st January 1940, or at the expiration of any subsequent period of 5 years, at 25 times the average net earnings of the undertaking for the 3 calendar years immediately preceding the date of purchase.

Terms of worling -Not yet settled

Rates and fares .- Certain maxima have been fixed

History of railways constructed and in progress.

[For Index see page 106]

Number Sub heads (a) to (1)

MADRAS RAILWAY SYSTEM-

Lines comprising the system -The Madras railway system is made up of-

| | uning surring system | • | | Open line | Under construction or rangificated for construction | Total |
|---|------------------------|-----------------|---|-----------|---|----------|
| | | | | Miles | Dislos | Miles |
| (a) Madris railway | • | (5' 6" grago) | | 904 01 | • | 10 102 |
| (b) Kolar Gold fields railway | • | (5' 6' gange) | | 9.83 | | 28 8 |
| (c) Madras (North Fast line) (Souther Coast (State) railway) | rn section of the East | (5 6" gau, 0) . | • | 497 19 | 0 55 | 405 OF |
| (d) Milgiri railway | • | (3, 33, kunte). | | 16 99 | 11 59 | 23 43 |
| (e) Shoranur Cochin railway | | (3 31" gange) | | G1 75 | | 61 75 |
| (f) Tirupatine Krishnagiri railway | • | (2'6' gange) . | | 22 33 | | 25 08 |
| (g) A hikal Mangalore extension | • | (5' G' gauge) | | • • | 77:27 | 77 27 |
| (h) Salem Attur railway | | (5' 6" gauge) . | | •• | 3603 | S6 06 |
| (1) Morappur Dharmapuri railway | • | (2 6' gauge) . | • | 944 | 18 14 | 15 14 |
| | | | | - | ****** | |
| | | Total | ٠ | 1,519:20 | 143.82 | 1 662-02 |
| | | | | | | |

Running powers-

| Foreign lines over Mome line— | | | M les |
|---|-----|--------------------------------|-----------------------|
| Bongal Varpur railway, Waltair to Vizagapatara (including Wharf and Swamp lines) Southern Mahratta railway, Todepalli to Bozwada Nizam s Guaranteed Stato railway, distant signal at Bezwala to Bozwada statica | , } | teams to Loscolle and loofs | {4.97 2.97 0.53 |
| | | | ~ |
| | | Total | 8 83 |

6 (a) Madras railway proper (5' 6" gauge)-

Details of construction-

The open mileage of the Madras rulway proper amounts to 904 01 miles. This may be divided into (1) the South-West line, main line (Madras to Azhikal), 172 73 miles, branches, 123 miles, and (2) the North-West line (Arkonnum to Raichur), 308 28 miles. Of the above 43 13 miles are double line

Sanction was first given to the construction of the South-West line in 1853 and it was opened through to Calicut in 1888. The North-West line was sanctioned in 1859 and was opened through to Ruichur in 1871.

Permanent-way —The present type of permanent-way for the main line is 80-lb bull-headed steel rails, laid on cast iron pots, each weighing 112 lbs The section, Calieut to Azhikal, is laid with 60 lb flut-footed steel rails on wooden sleepers.

Ballast -The line is ballasted with stone and saud, chiefly the former.

Fencing .- The line is fenced throughout.

Curves — The sharpest curve is of 700 feet radius

Gradients—The ruling gradient between Madras and Mallapuram is 1 in 200, between Mallapuram and Calieut, 1 in 100 (except at Mallapuram Ghât where it is 1 in 70 and at Walayar Ghât where it is 1 in 62), between Calicut and Cannanore, 1 in 150, between Jalarpet and Bangalore, 1 in 100 (except at Kuppam Ghât where it is 1 in 66), between Podanui and Mettupalaiyam, 1 in 80, between Olayakkot and Palghat, 1 in 106, between Walajah Road and Ranipet, 1 in 150, and between Arkonam and Raniehur, 1 in 80 (except at Ballapalla Ghât where it is 1 in 66).

Terms of contracts-

The Madras railway is worked under the following contracts -

Contracts of -22nd December 1852 (South-West line)

19th December 1855 (South-West line)

13th August 1858 (North-West line)

2nd January 1871 (Amalgamation)

18th January 1901 (Culicut-Azhikal extension)

ć

1st November 1901 (Walajah Road (Areot)-Rampet branch)

The general conditions of the contracts are as follows -

Government and —Guarantee of interest in sterling at 5 per cent for term of contract. On some portion of the share capital and on debentures lower rates of interest are guaranteed. Lind also was provided free of cost

Currency of contracts—In ninety-nine years from 1st April 1857 the line reverts to Government on paying for the rolling-stook at its fail value provided the Company had not previously given notice terminating the contract Government may, within six months after the expiration of 25 or 50 years of the term, determine the contract by purchase at the mean market value of the shares during the three preceding years. Possession to be taken of the railway at the half-yearly day next but one following the notice. Government may also determine the contract at any time, on giving three months' notice, if the Company fails to observe its obligations, Government replying the capital expended

Noir —Government relinquished their right to determine the contract at the end of the 25th year and the only remaining opportunity of giving notice of purena e will be in 1907 within six menths after 1st April

History of railways constructed and in progress.

[For Indox see page 108]

Number Main head 6 MADRAS RAILWAY SYSTEM—contd.

6 (a) Madras railway proper (5' 6" gauge)-concld

Terms of contracts-concld

Power of Company to surrender contract —The Company may, at any time, surrender on six months' notice, receiving back the capital expended

Terms of working—As to the lines covered by the contract of 2nd January 1871, after deducting the working expenses (which include any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 15 per mile of line open in each half-year) the surplus profits, after repayment of the guaranteed interest of each half-year converted at the rate of exchange of 1s 10d per rupee, are divided equally between Government and the Company—As to the Calicut-Azhikal railway working exponses are calculated at the average rate prevailing in each half-year over the entire system, and if the net earnings in any half-year exceed the interest charges converted at the prescribed rate of exchange, one-fifth belongs to the Company, but any deficiency in one half-year is a first charge on the net receipts of that and the next succeeding half-year of every line of railway for the time being belonging to the Company—Subject to the provisions in the contract of 15th January—1901 the covenants and provisions of the several principal Indentures apply to the Calicut-Azhikal railway.

Rates and fares —Under the contract Government fixed maxima rates and fares, which cannot be altered by Government until the net receipts exceed 10 per cent on the capital outlay. The fixed maxima rates cannot be altered by the Company without Government sanction. Authority, however, has been given to the Company, by an executive order, to vary its rates within the prescribed maxima without reference to Government.

Statistics of working-

| | | | | | | | T | ABLE I | | | | | • | TABLE | п |
|--------|-------|-----|------|---|---|---|-------------------|-----------------|-------------------------------------|--|--|------------------------------|----------------------|--|--|
| | Calen | dar | year | | | Capital outlay to end of each year | Gross carnings | Net earnings | Per cent on capital outlay | Guaranteed interest (at current rates of exchange) | Com pany s share of net sarnings | Gain or loss to the Stats | Calen der year | Earn ings psr mils per voek | Proportion of oxponess to earn ings |
| | | | | | | Rs | Rs | Rs | | Rs | Rs | Rs | 1856 | Rs 75 | 51.00 |
| 1879 | - | : | • | | | 11,45,68,493 | 66,26,486 | 20,75,170 | 1 81 | 57,04,205 | | -36,29,035 | 1857 1858 | 91 93 | 51 66 47 13 |
| 1880 | | | | | | 11,39,78,220 | 61,62,546 | 19,57,137 | 173 | 57,16,332 | | -37,59,195 | 1859 1860 | 122 117 | 57 53 60 85 73 50 71 08 74 03 |
| 1881 | | | , | | | 11,40,07,803 | 63,11,312 | 20,75,856 | 1 82 | 57,16,385 | | -36,40,509 | 1861 1862 | 91 84 | 71 08 |
| 1882 | | , | , | | | 11,39,69,608 | 69,18,571 | 25,70,841 | 2 25 | 56 89,011 | | -31,18,170 | 1863 1864 | 110 | 68 57 49 62 |
| 1883 | | | • | | | 11,39,92,074 | 66,31,909 | 25,26,549 | 2 22 | 57,03,416 | | -31,81,567 | 1865 1866 | 145 147 | 45 69 45 62 43 47 |
| 3881 | | , | | • | | 11,42,51,16% | 71,41,318 | 29,35,687 | 2 57 | 64,23,432 | | -31,87,745 | 1867 1868 | 153 181 | 43 47 41 48 |
| 1885 | | • | | | | 11,50,33,160 | 76,57,993 | 32,79,168 | 2 85 | 67,36,206 | | -34,57,038 | 1869 1870 | 171 146 | 49 16 |
| 1886 | | | • | | | 11,59,81,297 | 79,66,097 | 32,29,243 | 2 78 | 71,24,952 | | 38,95,709 | 1871 1872 | 139 143 | 49 16 52 84 51 27 52 19 |
| 1887 | | • | • | | | 11,40,70,190 | 81,72,535 | 28,80,029 | 2 52 | 73,20 207 | | -44,40,178 | 1873 1874 | 157 132 | 56 94 61 67 |
| 1898 . | | | | | | 11,53,78,656 | 85,31,051 | 35,21,615 | 3 05 | 76,23,851 | | -41,02,286 | 1875 1876 | 144 | 70 23 64 38 |
| 1889 | i | | | • | | 11,63,81,605 | 91,10,894 | 37,38,421 | 3 21 | 76,69,931 | | -89,91,513 | 1877 1878 | 159 225 148 | 59 26 76 05 |
| 1890 | | | | | | 11,79,84 234 | 95,06,134 | 45,21,480 | 2 83 | 68,85,958 | | -23,64,478 | 1879 1890 | 148 | 68 68 65 24 |
| 1891 | | | | | | 11,89,52,099 | 93,44,638 | 39,06,529 | 3 28 | 73,92,186 | | -31,95,657 | 1881 1882 | 141 | 67 11 62 84 61 90 |
| 1892 | | • | • | | | 11,97,71,835 | 96,21 670 | 42,92,133 | 3 58 | 88,62,369 | ļ | -40,70,236 | 1883 1884 | 148 | 61 90 |
| 1893 . | | | | , | | 12,03,89,499 | 1,05,05,036 | 54,21,742 | 4 50 | 84,92,732 | | 30,60,990 | 1885 1886 | 171 | 53 89 57 18 59 46 64 76 |
| 1894 | | | | | | 12,05,25,315 | 1,03,21,012 | 49,47,863 | 4 10 | 96,56,469 | | -47,08,606 | 1887 1898 | 189 195 | 64 76 |
| 1895 | | | • | | | 12,05,91,797 | 1,12,08,407 | 58,10,310 | 4.80 | 96,17,435 | 53,195 | -38 60,320 | 1889 1890 | 209 218 | 58 72 59 97 59 44 |
| 1896 | | | | | | 12,11,52,091 | 1,08,80,251 | 53,85,291 | 4 44 | 89 ⁹ 2,684 | | -36,07,393 | 3891 1892 | 214 | 52 44 58 20 55 40 |
| 1897 | | | | | | 12,15,01,808 | 1,14,65,314 | 59 82,565 | 4 92 | 81,81,597 | 91,135 | -25,90,167 | 1893 1894 | 221 241 237 | 48 39 52 66 |
| 1898 | • | | | | | 12,22,69,990 | 1,07,20,483 | 54,12,657 | 4 43 | 82,40,191 | 90,546 | -29,18,080 | 1895 1895 | 257 249 | 47 55 50 50 |
| 1899 | | | | | | 12,31,93,025 | 1,05,45,102 | 50,16,254 | 4 (6 | 80,58,144 | | -30,41,590 | 1897 1893 | 263 246 | 47 65 |
| 1900 | | | | | | 12 62 82 369 | 1,13 39,222 | 53,70,820 | 4 25 | 81,24,701 | | -27,53,831 | 1899 1900 | 240 254 | 49 51 52 42 51 75 |
| 1901 | • | | | • | | 13 13,51,379 | 1,14,86,803 | 57,°5,603 | 4 40 | 83,15,733 | | -25,30,130 | 1901 1902 | 259 256 | 51 75 49 63 50 25 |
| 1902 | | | | | | 13,50,23,683 | 1,18,41,074 | 57,91,420 | 4 29 | £1,41,461 | | -26,50,044 | 1903 1904 | 251 251 298 | 55 89 54 43 |
| 1903 | | | | | | 13,64,08,517 | 1,26,21,022 | 55,67,861 | 4.03 | 84,39 831 | ر | -28,71,967 | 1905 | 296 | 57 83 |
| 1901 | | | | | | 13,71,10,600 | 1,37,65,064 | 62,78 185 | 4 57 | 86,30,058 | | -23,56,923 | | | |
| 1905 | | | | | - | 13,85,08,336 | 1,39,16,956 | 58,69,047 | 4 24 | 87,03,239 | Í | -28,34 193 | | | |

^{6 (}b) Kolar Gold-fields railway (5' 6" gauge)-

The railway was constructed by the Mysore State in order to provide facilities for the gold-fields.

History of railways constructed and in progress.

[For Index see page 106]

Main head 6 MADRAS RAILWAY SYSTEM—contd Number Sub heads (a) to (i)

6 (b) Kolar Gold fields 1 anlway (5 6" gauge) -concld

Details of construction -

The radway is 988 miles long. It connects Bowringpet with Marikuppam. Its construction was sanctioned in 1892 and it was opened in 1894

Permanent-way — The line is laid with 76 lb bull-headed steel rails on east iron pot sleepers

Ballast —The line is ballasted with stone and sand, chiefly the former Kencing —The line is fenced througho t

Curves -There are no curves with a radius of less than 1,000 feet

Gradients -The ruling gradient is 1 in 66.

Terms of contract-

The railway is worked under the following agreement —

Agreement of—lst July 1902 (between the Mysoro Government and the Madras Railway Company) for working and maintenance with effect from 1st January 1901.

The general conditions of the agreement are as follows .

Government and —The line is the property of the Mysore State

Currency of agreement.—The agreement to remain in force subject to six months' notice from either side on the 30th of June or the 31st of December of any year

Terms of working -The Company to charge for working and maintenance the same proportion of gross carnings which the working expenses of the whole system, including this line, bear to the gross earnings of that system, and 5 per cent. of the gross carnings of the railway for rolling-stock

Rates and fares -Subject to certain special rates and fares, the same rates, etc., as are in force from time to time on the Madras railway

Statistics of working-

| | TA | BLF L | | | | Tabi | TABLE II | |
|--------------------------------------|---|---|--|---|--|----------------------------------|---|--|
| | Calendar Jear | Capital outley to end of each year | Curnings. | Not carnings | Por cent. en capital entlay | Earnings per milo per week | Proportion of expenses to earnings | |
| | | Rs | Rs | Rs | Y | Rs | | |
| 1892 1893 1894 1895 | • • • | 27,661 5,27 674 6,56,175 6,01,651 | 75 771 1,52,953 | 29 273 66,379 | 4 46 10 03 | 501 510 | 61 S7 56 LO | |
| 1896 1897 1898 1:99 1900 | • | 7 45 001 7,91 071 8,09 537 10 79 552 10,77,901 | 1,55,317 2,08 8°4 2,01 002 1 77 667 2,05,892 | 67 257 90 278 82 1 13 56,827 67,003 | 6 50 11 11 10 15 5 27 6 22 | 500 402 902 912 402 | 59 25 56 77 59 82 68 61 67 89 | |
| 1901 1902 1903 1904 1905 | | 11 20 330 11 38 4F0 11,02 501 11 73 128 11,87,664 | 2 17 661 2 16 629 2 07,257 2,41 744 1,88 402 | 91 977 84 864 75 237 89 230 67,600 | 8 20 7 45 6 47 7 61 5 69 | 421 422 403 476 267 | 57 79 60 83 67 70 63 54 64 12 | |

6 (c) Madras (North-East line) railway (5' 6" gauge)-

Details of construction-

The North-East line, which is the southern portion of the old East Coast railway, is 497 19 miles long consists of 485 26 miles of main line (Washermenpet to Waltur) and 11 93 miles of branches

Its construction was sanctioned in 1590 and it was opened throughout in 1900

Permanent-way -The permanent-way consists of 75-1b flut-footed steel rails laid on wooden and pea-pod steel sleepers. The wooden sleepers are gradually being renewed by east iron pot sleepers

Ballast -The line is ballasted with stone and sand, chiefly the former

Fencing -The line is fenced only in the vicinity of towns, stations and level crossings.

Curves -There are no curves with a radius of less than 1,000 feet

Gradients -The ruling gradient between Madras and Kistna canal is 1 in 200, and between Kistna canal and Waltair, 1 in 150

Terms of contract—

The line is worked under the following contract -

Contract of-31st December 1902 (between the Secretary of State and the Madras Railway Company) for maintenance, management and working.

The general conditions of the contract are as follows.

Currency of contract —The contract is to continue in force till the 31st December 1907 If the original contract with the Company, dated the 2nd January 1871, is for any reason terminated under the provisions thereof prior to the expiry of the term of this centract, the latter also will, epso facto, terminate at the same time. The centract may also be terminated after twelve months' notice on the 1st April of any year subsequent to 1904.

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 6 Sub heads (a) to (i) MADRAS RAILWAY SYSTEM—contd

6 (c) Madias (North-East line) 1211wa/ (5 6" gauge)-concld

Terms of contracte-concld

If the contract is determined by notice at any time previous to the 1st April 1907, and if the ratio of the working expenses to the gross caroings of the Company shall have been raised, by reason of the Company hiving worked the State railway under this contract, so that the total working expenses of the Company's system from the 1st January 1901 to the termination of the contract shall exceed 50 per cent of the total gross earnings of the Company's system during such period, the Company will be cutified to smitable compensation for such increase

Terms of working—The working expenses of the State railway are to include per half-year any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Wor',' subject to a maximum charge on such account of Rs 15 per mile of line open in each half year, a sum not exceeding Rs 10 for every mile of line open to traffic for Government supervision and control, and the following—

the actual expenditure incurred under the account heads of "Maintenance and renewal of permanent way,"
"Repairs of bridges, etc., wages and materials," "Conservancy of rivers," and "Repairs of staff quarters",

the share of the general working expenses of the system under the remaining heads of account in proportion to the gross earnings of the State railway,

the allowances and interest payable under the contract for the use by the State railway of the Company's terminal station at Madras,

the expenditure incurred by the Company in replacing or repairing the State railway locomotive engines and tenders,

The balance of the gross earnings to belong to Government

Rates and fares - Government exercise full control over rates and fares

Government have reserved the power to require, at six months' notice, the retransfer of the Junction station at Waltair and the branch taking off from the Junction to Vizagapatam

Statistics of work ng-

| | | T | ARLE I | | | | ТАВІ | E IL | |
|--------------------------------------|--|---|---|--------------------------------------|---|---|----------------------------------|---|---|
| Calendar year | Capital outlay to end of each year | Groes earnings | Net earnings | Per cent on capital outlay | Interest | Gain or loss to the State | Earnings per mile per week | Propertien of expenses to earnings | Remarks |
| 1000 | Rs 3,79,490 | Ra | Rз | | Rs 7,590 | Ra -7,590 | Re | | Mh 6 1001 |
| 1890 . | 3,74,480 | | | | 7,000 | - 7,090 | | | The figures prior to 1901 relate to the whole of the Fast Coast (State) rail way |
| 1891 1892 1893 | 1,10,60,894 2,60,11,121 3,58,67,473 4,29,47,727 | 4,98,660 14 80 678 | 1,53,732 1,50 921 3,29 184 | 0 43 0 84 | 2,33 786 7,41,621 13 48,868 15 92 909 | -2,33,786 -7,41 621 -11,95,136 -14 41,988 | 68 98 | 84 69 89 81 | • |
| 1694 1895 | 5,09,41,876 | 19,04,251 | 9,29 184 | 0 65 | 19,12 886 | -15,83 702 | 90 | 82 71 | |
| 1896 • 1897 • 1898 • • 1899 • • 1900 | 6 83 64 948 7,22 26 070 8,24 02,269 8,65 93 097 8 80,71,731 | 24 66,573 29 21,162 28,10 742 43 92,237 64 04 543 | 5,39,901 8,92,453 6,69,831 15,37,294 26,54,794 | 0 85 1 23 0 81 1 78 3 01 | 23,72 875 26,90 796 30,98 828 5 14 603 34,46,555 | -18,32,974 -18,44 343 -21,28,997 -19,77,308 -7,91,761 | 94 100 94 104 143 | 77 98 69 59 76 46 65 11 56 10 | |
| 1901 1902 1903 1904 1905 | 6,07 27,375 6 16,89 605 6,33 8 1 510 6,43 95 839 6,50,33 641 | 45 68 155 45,46,551 45,18,656 50 19,967 67,86,215 | 20 31,210 16,19,128 15,53,337 15 61,875 26,65,781 | 3 34 2 (2 2 45 2 43 4 10 | 24,51,072 24 46 187 24 82,162 25 44 .80 20,77,.04 | -4,19,862 -8 27 059 -9,28,825 -9,82 705 +83,277 | 176 177 176 1°6 262 | 65 €2 64 39 65 62 69 03 60 43 | , |

6 (d) Nilgiii railway (3' 33" giuge)-

The old Nilgiri Railway Company was registered on the 30th September 1885 with a nominal capital of Rs 25,00,000 and a contract was executed between the Secretary of State and that Company on the 26th February 1886. The old Company went into liquidation in April 1894, and in February 1896 a new Company was formed to purchase the line from the old Company and to supply the capital required to complete it and to construct the proposed extension to Ootreamund. The line from Mettupalayam to Coonooi was completed by the new Company and opened for traffic on the 15th June 1899. On the offer of the new Company to soll the line it was purchased by Government for £235,000 on the 1st January 1903.

Details of construction-

The open mileage of this railway is 16 99 miles The line connects Mettupalaiyam with Coonoor It was sanctioned in 1892 and was opened in 1899

Besides the above there are under construction 11 50 miles, 112, from Cooncor to Ootacamund

History of railways constructed and in progress.

[For Index see page 106]

Main head 6 Number Sub neads (a) to (1) MADRAS RAILWAY SYSTEM-contd.

6 (d) Nilgiri railway (3' 3%" gauge) -concld

Details of construction-concld

Permanent-way —The permanent-way consists of flat footed steel rails, 50 lbs to the yard, laid on pyinkado sleepers. Between Kallar and Coonoor, there is also a central tack rail with channel bars

Ballast - The line is ballisted with clean broken granite

Fencing -The line is fenced throughout

Curves — The sharpest curve is of 318 feet radius

Gradients -The ruling gradient is 1 in 125

Terms of contract-

The railway is worked by the Midras Railway Company under the following terms (approved in Government of India letter No 563 R T, dated the 27th June 1903)-

Government and -The line is the property of the State

Currency of agreement— The agreement may be terminated at any time on six months' notice from either Power to determine agreement— party

Terms of working —The Nilgin railway to pay netual outlay on engineering maintenance and for fuel, and repairs and renewals of engines and carriage and wagon stock. For all other expenses of working the Madras railway to receive 25 per cent of gross earnings, plus 10 per cent of the net receipts

Rates and fares —Certain maxima have been fixed within which the Company is permitted to very rates

Satisties of working-

| | | | | TAB | LE I | | | | , | TABLE II | | |
|--|--|---|--|--------------------------------------|------------------------------------|--|---|----------------------------------|--------------------------------|----------------------------------|---|--|
| Calendar year | Capital outlay to end of each year | Gross earnings | Net carnii gs | Per cent on capital ontlay | Subsidy from Govern- ment | Total income | Percentage of total meome on capital outlay | Interest | Gam or loss to the State | Farnings per mile per week | Proportion of expenses to earnings | |
| | Rs | \mathbf{R}_{s} | Rs | | Rs | Rs | | Rs | Rs | Rs | | |
| 1890 | 67,950 | | | | | | } | } | | | | |
| 1891 1892 1893 1894 1895 1895 1896 1897 1899 1899 | 2,87,134 8 89,771 15 50,000 18,50 000 22 60 000 16,92 610 36,84,977 44 54,085 47 87,914 48,96,490 | 81,418 1,76 032 | 20,209 86,612 | 0 42 1 - 77 | 24,392 23,006 | 44,600 1,19,448 | 0°93 2 4 1 | | | 175 200 | 76 05 42 83 | |
| 1901 1902 1903 1904 1905 | 48 74 254 49 08,431 85,24 265 35,84 423 43,86,192 | 2,41,336 3 09 063 2,74 905 2 90 129 3, 15, 4 92 | 1,37,8°3 1,12 111 73,958 66 162 48,972 | 2 83 2 28 2 10 1 85 1 12 | | 1,37,883 1,12,111 79,998 66,162 48,972 | 2 83 2 28 2 10 1 85 1 12 | 1,65 497 1 33,354 1,35,878 | -91,509 -67 222 -86,906 | 275 352 311 328 357 | 42 87 63 73 73 09 77 20 84 48 | |

6 (e) Shoranur-Cochin railway (3' 33" gauge) -

Details of construction-

The railway is 64.75 miles long. It connects Shoranur with Ernakulam. It was sanctioned in 1899 and opened ın 1902

Permanent-way — The permanent-way consists of 414-lb flat-footed steel rails on wooden sleepers.

Ballast -The line is ballisted throughout with stone and sand, ebiefly the former.

Fencing —The line is fenced in the vicinity of towns, stations and level clossings

Curves —The sharpest curve is of 818 57 feet radius

Gradient. -The ruling gradient is 1 in 80

Torms of contract-

The Shoranui Coehin iailway is worked under the following agreement -

Agreement of-1st January 1901 (between His Highness the Raja of Cochin and the Madras Railway Company) for construction and working

The general conditions of the agreement are as follows -

Government and —The line is the property of the Coehin State

Currency of agreement—This agreement is to remain in force until the termination of the agreement, dated the 2nd January 1871, between the Secretary of State and the Madras Railway Company

Terms of working—The Company charges for working the same proportion of the total revenue expenditure as the gross earnings of the Madras railway system including the Shormur Cochin railway After providing, from the net earnings, for the second contribution to the Madras Railway Provident Institution and for interest at the rate of 3 per cent per annum on the booked capital expenditure of the Shoranur-Cochin railway including land, the balance is divisible between the Cochin Durbar and the Madras Railway Company in the proportion of four-lifths to the Durbar and one-fifth to the Company

Rates and fares —The same as are generally applicable from time to time to the system of railways worked by the

Company

History of railways constructed and in progress
[For Index see page 106]

Number Mnin head 6
Snb heads (a) to (1)

MADRAS RAILWAY SYSTEM-concld

6 (e) Shoianur-Cochin railway (3' 33" gauge)—concld

Statistics of working-

| | | | Table II | | | | |
|--------------------------------------|---------------|---|--|---|-------------------------------------|-------------------------------|------------------------------------|
| | Calendar yenr | Capital outlay to end of each year | Gross earnings | Net earnings | Per cent on capital ontlay | Earnings per mile per week | Proportion of oxpenses to earnings |
| | | Re | Rs | Rs | | Rs | |
| 1898 1899 1900 | | 58,921 80,927 28,47,394 | | | | | |
| 1901 1902 1903 1904 1905 | ^ | 50,82 280 63,66,301 64 41 390 67,83 610 63,90,214 | 1,84,845 3 52 964 3,92 782 3,86,945 | 73,299 1,98073 1 94 244 1,61,395 | 1 15 3 07 2 86 2 36 | 69 103 117 115 | 45 64 43 90 , 50 55 53 29 |

6 (f) Tirupattur-Krishnagir. 1211way (2'6" gauge)-

Details of construction-

The railway is 25 38 miles long — It was sanctioned in 1902 as a famine feeder line and was opened in 1905 Permanent-way — The permanent way consists of 30 lb flat-footed steel rails laid on cross sleepers of Malabar teak Ballast — The line is ballasted with stone in cuttings and moorum in banks with a stone covering broken to 2" gauge Fencing — The line is unfericed

Curves -The sharpest curve is of 955 feet radius

Gradients - The ruling gradient is 1 in 67

Terms of contract-

The line is worked under the following contract -

Contract of—4th October 1904 (between the Secretary of State and the Madras Railway Company) for construction, maintenance and working

The general conditions of the contract are as follows -

Government and -The line is the property of the State

Currency of contract —The contract is to continue in force till the 31st December 1907 but may be terminated after twelve months' notice on the 1st April of any year.

Terms of working—The working expenses are to include per half-year any single item of capital expenditure not exceeding Rs 1,000 classed as a "Minor work," subject to a maximum change on such account of Rs 15 per mile of line open in each half-year, a sum not exceeding Rs 40 for overy mile of open line for Government supervision and control, the Company to charge for working and maintenance the same proportion of gross earnings which the working expenses of the whole system including this line hear to the gross earnings of that system, provided that such shire shall in no case he less than an average sum of Rs 35 per mile per week. The balance of the gross earnings to belong to Government

Rates and fares -Government exercise full control over rates and fares

Statistics of working-

| | | Table | : I | | | | Тав | LE II. |
|---------------|-----------------------------------|-------------------|----------------|----------------------------|--------------|------------------------------|----------------------------------|------------------------------------|
| Calendar year | Capital outlay to end of the year | Gross oarnings | Net carmngs | Per cent on capital outlay | Interest | Gain or loss to the State | Earnings per mile per week | Proportion of expenses to carnings |
| 1905 | Rs 10,63,690 | Rs 12,840 | R3 1,067 | | Rs 18,802 | Rs —19,869 | Rs 84 | 103 31 |

6 (g) Azhıkal-Mangalore railway (5' 6" gauge)-

Details of construction-

The nailway is 77 27 miles long It was sanctioned in 1901 and is under construction.

6 (1) Salem-Attur 121lway (5' 6" gauge)-

Details of construction-

The railway is 36 06 miles long. It was sanctioned in 1903 as a famme feeder line, but the commencement of work has not yet been authorised

6 (1) Morappur-Dharmapuri railway (2' 6" gauge) -

Details of construction-

The railway is 18 14 miles long It was sanctioned in 1902 as a famine feeder line and was opened in January 1906

History of railways constructed and in progress.

[For Index see page 106.]

Number $\frac{\text{Main head } 7}{\text{Snb head } (a)}$. NAGDA-MUTTRA RAILWAY (5' 6' gange)—

Details of construction -

This railway, from Nagda to Muttia, is under construction by the State It will be 313 93 miles long Sanction to its construction was given in 1905

head 8 NIZAM'S GUARANTEED STATE RAILWAY SYSTEM-Number Sub honds (a) to (c)

Lines comprising the system -Tho Nizam's Gurranteed State railway system is made up of-

| | | | Milcs |
|--|---|-------|--------|
| (a) Nizam's Guaranteed State rulwiy (5 6" gauge) | • | | 330 14 |
| (b) Bezwada Extension railway (5' 6 gauge) | | | 20 53 |
| (c) Hyderabad Godavarı Valley railway (3 3% gange) | • | | 391 13 |
| | | Total | 711 85 |
| owers- | | | |
| over foreign line — | | | |
| | | | |

Running por

Home line of

Distant signal at Bezwada to Bezwada station, Madras (North East line), for passenger and goods trains

0~9

Up to the end of 1878 the line was worked by the Great Indian Peninsula Rulway Company with its own rolling-stock. From Junuary 1879 to the 31st December 1884 it was worked by State agency, and from Junuary 1885 by His Highness the Nizam's Guarinteed State Rulways Company. The section of the East Coast (State) rulway, which extends from the frontier of His Highness the Nizam's dominions to the north distinct signal of the Bozwada station, was worked by this Company as part of its own system up to December 1897, when it was transferred to the East Coast (State) railway It was trunsterred back to the Company for working from the 1st Jinuary 1901

8 (a) Nizam's Guaranteed State railway proper (5' 6" gruge)—

Details of construction-

The open mileage of the Nizam's Guaranteed State rulway proper is 33011 miles, which may be divided into main line (Wildi junction to the British frontier), 31010 miles, and branches, 2001 miles. Its construction was first sinctioned in 1871 and it was opened through in 1889

Permanent way — The first 47 miles from Wadi are laid with 75-lb bull-headed steel rule on cast from pot sleepers and the following 9 miles with 68-lb double-headed steel rule on cast from pot sleepers. The remainder of the line is had with 661-1b flat footed steel rule on steel per-pod sleepers, with the exception of the mixed (5' 6" and 3' 34') gauge line from Secunderabad to Hyderabad which has wooden sleepers under the same section of rail

Ballast .- The line is ballisted throughout with stone and sand

Fencing -The line is fenced from Wadi to Secunderabad, but from Secunderabad to the frontier only the stationyards are fenced

Curves - The sharpest curve is of 1,300 feet radius

Gradients -- The ruling gradient is 1 in 100

Terms of contract-

The rulway is worked under the following contract .-

Contract of-27th December 1883 (between the Nizam's Government and the Nizam's Guaranteed State Railways Company) for construction, maintenance and working

The general conditions of the contract are as follows -

Terms of contract — The Nizam's Gunianteed State Railways Company was formed in 1883 for the purpose of requiring and working the then existing railway and of constructing on the same gauge and working certain new lines, with a capital not exceeding £4,500,000 to be raised by the issue of shares and redeemable mortgage debentures (or as may be agreed upon), His Highness the Nizam's Government paying thereon for 20 years an annuity to be applied in payment of interest and towards a sinking fund for the redemption or reduction of capital. Land was provided free of charge

Note —The guarantee of His Highness the Nizam's Government on the share capital of £2 000,000 and £241,600 four per cent debentures expired on the 25th June 1904

Currency of contract -The contract is current for a period of 99 years, and, on expiry by effluxion of time, the land, buildings and fixed works, etc., and all rolling-stock, stores, etc., at a fur valuation, ievert to the Nizam's Government. The Nizam's Government has the option of purchasing the line on the 1st January 1911, 1934 or 1954, on twelve months' notice, by paying in sterling the capital unredeemed and a bonns of 25 per cent thereon. In case of breach of contract by the Company the Nizam's Government may give six months' notice and assume possession of the line, etc., by paying the amount of capital unredeemed, unless the default or breach is remedied within that period

Terms of working -From gross earnings are deducted working expenses, and during the guaranteed period the net earnings are applied in the first instance to repayment of the annuity paid in the same half-vear. Of the residue one monety is utilised towards the repayment of previous payments of annuity and sums owing to the Nizam's Government, and the bilance is paid to the Company After the expiration of the annuity, a sum sufficient for payment of interest on the capital unredeemed will be retained by the Company, and of the balance one half will be paid to the Nizam's Government, the remaining half being made over to the Company

Rites and fares —The rates and fares not to be, unless otherwise agreed between His Highness' Government and the Company, in excess of the rates and fares which were in existence on the Great Indian Peninsula initiary at the time the contract was made

History of railways constructed and in progress [For Index see page 106]

Number Main head 8 Sub heads (a) to (c). NIZAM'S GUARANTEED STATE RAILWAY SYSTEM—contd

8 (a) Nizam's Guaranteed State railway proper (5' 6" gauge)-concld

Statistics of working-

| Table | I | | | | TABLE 11 (Includes Bezwada Extension) | | | |
|----------------|---|--|--|--------------------------------------|--|--|--|--|
| Calendar, year | Capital ontlay to end of each year | Gross carnings | Net earnings | Per cent on Capital outlay | Earnings per milo per weck. | Pre of exp to earnings | | |
| 1879 | Ps 1,16,46,997 1,21,90,870 1,22,85,291 1,22,27,794 1,22,83,560 | Rs 6,94,401 7,02,716 7,56,834 8,59,418 8,53,521 | Rs 89 925 2,48,604 2,98,666 3,75,099 2,37,932 | 0 77 2 04 2 35 3 07 1 94 | Rs 110 112 120 141 137 | , 87 01 68 08 61 32 56 35 72 12 | | |
| 1884 | 1,23,08,720 | 9,72 917 | 4,70,227 | 3 82 | 155 | 63 02 | | |
| 1885 | 2,05,60,998 | 11,13,950 | 4,87,024 | 2 37 | 178 | 56 26 | | |
| 1886 | 2,71,49,342 | 13 81,077 | 6,91 524 | 2 56 | 143 | 49 71 | | |
| 1887 | 2,69,71,143 | 15,48,891 | 5,52 905 | 2 05 | 143 | 64 31 | | |
| 1888 | 3,55,11,854 | 17,76,075 | 7,57,467 | 2 13 | 118 | 57 35 | | |
| 1689 | 3,59 46,922 | 22,57,462 | 7,72,513 | 2 15 | 129 | 66 90 | | |
| 1890 | 3,77 11,194 | 25,07,268 | 10,39,590 | 2 76 | 140 | 59 74 | | |
| 1891 | 3,95,18,791 | 27,76,437 | 12,57,860 | 3 18 | 151 | 54 70 | | |
| 1892 | 3,95,48,395 | 27,80,642 | 13,24,959 | 3 35 | 151 | 52 35 | | |
| 1893 | 4,01,96,909 | 30,61,605 | 14,36,451 | 3 57 | 136 | 53 08 | | |
| 1894 | 4,02,33,826 | 32,56 885 | 16,22,028 | 4 03 | 177 | 50 20 | | |
| 1895 | 4,06,43,818 | 32,15,541 | 15,77,149 | 3 88 | 185 | 53 77 | | |
| 1896 | 4,08,24,737 | 33,03,522 | 17,28,196 | 4 24 | 187 | 50 02 | | |
| 1897 | 4,09,60,914 | 36,10,354 | 19,38 769 | 4 73 | 205 | 48 67 | | |
| 1898 | 4,10,54,449 | 39,07,612 | 22,74,580 | 5 54 | 221 | 44 20 | | |
| 1899 | 4,15,68,731 | 41,10 201 | 25,01,046 | 6 02 | 240 | 43 45 | | |
| 1900 | 4,17,49,124 | 49,12,056 | 28,41,985 | 6 81 | 286 | 41 52 | | |
| 1901 | 4,24,30,543 | 40,77,927 | 26,48,120 | 6 24 | 236 | 85 59 | | |
| 1902 | 4 28,89,527 | 41,06 494 | 26,82,533 | 6 25 | 254 | 39 89 | | |
| • | 4,30,13,663 | 43,18,630 | 25,38,386 | 5 90 | 251 | 41 79 | | |
| 1905 | 4 32 66 412 | 43,32 440 | 27 90 690 | 6 47 | 252 | 36 19 | | |
| 1905 | 4,35,86,013 | 42,78,161 | 28,49,703 | 6 54 | 251 | 33 98 | | |

8 (b) Bezwada Extension railway (5' 6" gauge)-

Dotails of construction-

This railway is 20 58 miles long and extends from the Hyderabad frontier to Bezwida Its construction was sanctioned in 1886 and it was opened in 1889

Permanent-way — The line is laid with 661-lb flat-footed steel rails chiefly on steel pea-pod sleepers

Ballast — The line is ballasted throughout with stone and sand.

Fencing — The line is fenced at stations only

Curves — There are no curves with a radius of less than 1,900 feet

Gradients -The ruling gradient is 1 in 100

Terms of contract-

The line is maintained and worked for the same percentage of its gross earnings as the aggregate working expenses of the amalgamated undertaking of the 5' 6" gauge system bear to the aggregate gross earnings for the same half-year, plus 5 per cent of the gross earnings of the Bezwada extension iailway for the use of iolling stock, and the cost of Government Audit establishment and interest on joint works at Bezwada

Statistics of working-

| | | | TAB | LE I | | | | TABLE II | | |
|--------------------------------------|----------------|---|--|--|---|--|---|--|-------------------------------|--|
| | Calondar 3 ear | Capital ontlay to end of each year | Gross carnings | Net carnings | Per cent en Capital ontlay | Interest | Gain or less to the State | Larnings por mile per week | Pro ef oxp to earnings | |
| 1887 1858 1889 1890 | ı | Rs 8,11,654 11,56,237 13,46,302 13,90,830 | Rs 76,671 74,731 | Rs 16,326 16,318 | 1 21 1 17 | Rs 16,363 39,357 53,530 54,530 | Rs 16,363 39,357 37,204 38,212 | Rs | | |
| 1891 1892 1893 1894 1895 | | 14,11,077 14,17,671 14,21,4*6 14,26,001 14,31,642 | 87,367 98,779 1,04,386 1,71,016 95,119 | 28,609 28,347 33,972 71,270 95,119 | 2 03 2 00 2 39 5 00 6 64 | 56,266 56,594 56,889 57,122 57,230 | -27,567 -28,237 -21,916 +14,149 +37,980 | Included wi Guaranteed St proper | th the Nizam's ate railway | |
| 1896 1897 1898 1899 1000 | • • • • | 14,35,588 14,95,418 15,01,843 15,02,651 15,02,618 | 73,057 1,66,800 1,64,061 3,12,172 3,56,446 | 39 196 56,645 95,390 1,81,365 2,38,989 | 2 68 3 79 6 35 12 27 15 90 | 57,406 58,389 59,569 60,101 60,106 | -18,910 -1,738 +35,821 +1,24,264 +1,78,883 | | | |
| 1901 1902 1903 1904 1905 | | 11,51,678 11,60 425 11,77,047 11,75,731 11,78,645 | 2,77,177 2,89,663 3,25,363 2 93,153 3,47,490 | 1,56,929 1,40,329 1,67,332 1,53,358 2,04,239 | 13 63 12 08 14 22 13 01 17 33 | 35,509 46,375 46 617 46,898 47,046 | +1,21,420 +93 954 +1,20,715 +1,06,460 +1,57,193 | | | |

History of railways constructed and in progress [For Index see page 106]

Number Main head 8 Sub heads (a) to (c) NIZAM'S GUARANTEED STATE RAILWAY SYSTEM—concld

8 (c) Hyderabad-Godavarı Valley raılway (3'3% gauge)-

Details of construction-

This iailway connects Manmad with Hyderabad and is 39113 miles long — Its construction was sanctioned in 1897 and it was opened through in 1901

Permanent way —The permanent-way consists of 50-lb flat-footed steel rails on steel pea-ped and wooden sleepers from mile 302 to 363 and wooden sleepers only for the remainder

Ballast -The line is ballasted throughout with stone, sand and morrum

Fencing -The line is fenced from mile 377% to 381 and at all stations

Curves — The sharpest curve is of 1,433 feet radius

Gradients -The ruling gradient is 1 in 133 3

Terms of contract-

The railway is worked under the following agreement -

Agreement of—16th March 1897 (between His Highness the Nizam's Government and the Nizam's Guaranteed State Railways Company) for construction and working

The general cenditions of the agreement are as follows -

Terms of contract—Capital to the extent of £2,500,000 to be raised by the issue of redeemable mortgage debentures, the Nizam's Government paying thereen an annuity, and, in addition, a sum of one per cent per annum for 20 years towards a sinking fund for the redemption of such debentures which will be a first charge on the Hyderabad-Godavari Valley railway and a second charge on the Nizam's Guaranteed State rulway, after the expiration of the guaranteed period the interest payable thereon to be a first charge on the net carnings of the former line and a second charge on the surplus net carnings of the latter line after the service of the existing debenture debt has been provided for The free use of land is previded for

Currency of contract.—On expiny of the contract by effluxion of time the land, buildings and fixed works, etc., and all rolling-stock, steres, etc., at a fair valuation, revert to the Nizam's Government. The contract runs concurrently with that of the Nizam's Guaranteed State Railways Company, and the Nizam's Government has the option of purchasing the line on the 1st January 1914, on twelve months' notice, by paying in sterling the capital unredeemed and a benus of 25 per cent. thereon, or on the 1st January 1934 or 1954 without bonus. In case of breach of contract by the Company, the Nizam's Government may give six months' notice and assume possession of the line, etc., by paying the amount of capital unredeemed, unless the default or breach is remedied within that period

Power of Company to surrender contract -Nil

Terms of working—From the gloss earnings are deducted working expenses, and the net earnings are applied in the first instance towards replacing the amount paid as interest on capital during construction, and during the guaranteed period to repayment of the annuity paid in same half-year, and not more than half the residue to repayment of previous payments of annuity, the remaining morety being added to and dealt with as part of the net earnings of the Company in respect of the Nizam's Guaranteed State rulway. After expiration of the annuity a sum sufficient for payment of interest on the capital unredeemed to be retained by the Company, and of the balance one-half to be paid to the Nizam's Government the remaining morety being dealt with as above

Rates and fares -Rates and fares not to be in excess of those provailing on the Nillim's Guaranteed State rulway

Statistics of working-

| | | TABLE I | | | | | TABL | EΠ |
|------|---------------------------------------|---------|---|-------------------|-----------------|-------------------------------------|-------------------------------------|------------------------|
| | Calendar year | ` | Capital outlay to end of each year | Gress carnings | Net carnings | Per cent on capital outlay | Earnings per mile per week | Pro of exp to earnings |
| | · · · · · · · · · · · · · · · · · · · | | Rs | Rs | Rs | | Rs | |
| 1896 | • | • | 3,74,950 | | Į | | į | l |
| 1897 | • | | 17 61,952 | | | 1 | ļ | |
| 1898 | | | 86,35,416 | | | 1 | | |
| 1899 | | • • | 2,00,21,971 | 63,381 | 36,877 | 0 18 | 48 | 41 82 |
| 1900 | | | 2,91,94,817 | 10,63,023 | 4,20,826 | 181 | 70 | 60 41 |
| 1901 | | | 2,44,37,419 | 20,10,033 | 9,23,300 | 3 77 | 99 | 54 07 |
| 1902 | | | 2,57,75,220 | 22,89,013 | 9,67,892 | 3 76 | 112 | 57 70 |
| 1903 | | | 2,62,07,241 | 22,14,752 | 8,86,291 | 3 38 | 109 | 59 98 |
| 100% | • • • | | 2,61,85,096 | 22,11,781 | 7,74,804 | 2 93 | 109 | 64 97 |
| 1905 | | | 2,68 15,349 | 29,64,122 | 13,29,009 | 4 97 | ' 146 | 55 10 |

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 9 Sub heads (a) to (b) . NORTH WESTERN (STATE) RAILWAY SYSTEM—

Lines comprising the system —The North Western (State) railway system is made up of—

| | | | • | Open line | Under con struction or sanctioned for construc tion. | Total |
|--|------|------|-----|-----------|--|----------|
| | | | | Miles | Miles | Miles |
| (a) North Western (State) railway (5' 6" gauge) | | | • | 3,268 85 | 181 49 | 3,450 S |
| (b) Jammu and Kashmır (Native state section) (5 6" gaugo) | | | • | 15 98 | 410 | 15 98 |
| (c) Ludhiana Dhuri-Jakhal railway (5' 6" gauge) | | | | 78 66 | | 78 66 |
| (d) Rajpura Bhatiuda railway (5' 6" gange) | | | • | 107 05 | | 107 05 |
| (e) Sonthern Punjab railway (5' 6" gauge) | | | | 425 33 | | 425 33 |
| (f) Southern Punjah "Ludhiana" Extension railway (5' 6" gauge) | • | | | 77 05 | 77 45 | 155 12 |
| (g) Khushalgarh Kohat Thal railway (2' 6" gauge) | | | | 91 73 | | 91 73 |
| (h) Nowshera Durgai railway (2'6" gauge) | | | | 40 25 | Ţ. | 40 25 |
| (1) Daudet Light railway (2' 0" gauge) | | • | | 6 18 | •** | 6 18 |
| (j) Amrilsar Patt: railway (5' 6' gauge) | | | | | 26 85 | 26.85 |
| | e 20 | ; re | fir | ally (| 6 80 | 6 80 |
| (t) Jullundur Kapurthalla Sultanpur (Natue state section) | led | | | 1 | 22 02 | 22 02 |
| | | | | - | البود التالي ويين | - |
| | To | al | • | 4,111.08 | 314 61 | 4,425 69 |
| | | | | | | |
| Running powers— | | | | | | |
| Home line over foreign line - | | | | | | Miles |
| East Indian rollway, Ghaziabad to Delhi, for passenger and goods train | ıs | • | | • | | . 13 00 |

9 (a) North Western (State) railway proper (5' 6" gaugo) —

Details of construction-

The open mileage of the North Western (State) railway proper is 3,268 85 miles, of which 168 36 miles are double line. This may be divided into (1) the Commercial section, main line (Ghazirbad to Peshawar and Lahore to Karachi), 1,444 70 miles, and branches, 699 58 miles, (2) Military section, Sind Sagar, main line (Lala Musa to Sher-Shah), 344 59 miles, and branches, 227 14 miles, (3) Military section, Sind Pishin (Ruk to Chiman), 336 03 miles, (4) Military section, Quetta-Nush (1) to Quetta, 86 74 miles, and branches, 35 74 miles, (5) Military section, Quetta-Nush (1) to Nushki), 83 29 miles, and (5) Peshawar-Jamrood branch, 11 04 miles The first sanction to the main line of this railway was given in 1859. It was opened through to Peshawar in 1883 and from Lahore to Karachi in 1889.

There are 181 49 miles of single and 239 16 miles of double line under construction.

Permanent-way —The permanent-way is of various types—On the single—line, of iron rails there are 60-lb—flat-footed, 68-lb—double—headed and 68-lb—bull-headed, of steel rails there are 70-lb—flat-footed, 62-lb—flat-footed, 75-lb—flat-footed, 64-lb—double—headed, 68-lb—double—headed, 75-lb—double—headed, 75-lb—bull-headed, 68-lb—bull-headed, 84-lb—bull-headed, 100-lb—flat-footed, 77½-lb—bull-headed, 73-lb—bull-headed and 85-lb—bull-headed On the double—line, of non-rails there are 68-lb—double—headed, of steel rails there are 68-lb—double—headed, 75-lb—flat-footed, 77½-lb—bull—headed and 100 lb—flat footed—The—sleepers—used are chicfly of wood, but cast-iron (oval or round) pots and steel transverse sleepers are also extensively used

Ballast -The line is ballasted throughout with sand, brieks and broken stone.

Fencing —The line is fenced from Karachi to Ghaziabad, Ruk to Jhatpat and Lahore to Lala Musa The line between Lala Musa and Pesbawar is partially fenced

Curves -The sharpest curve is of 408 feet radius.

Gradients—The ruling gradient between Kotri and Rohri, and Sibi and Ruk is 1 in 500, between Ghaziabad and Lala Musa, and Kotri and Lahore, 1 in 400, between Karachi and Kotri, 1 in 189, and between Lala Musa and Peshawar, 1 in 100. The ruling gradients on the Sind-Sagar, Mari-Attock, Sind-Pishin, and Mushkaf-Bolan lines are 1 in 400, 1 in 40 and 1 in 25, respectively

Terms of contracts-

The line[is owned and worked by the State

History of railways constructed and in progress.

[For Index see page 106]

Number $\frac{\text{Main head 9}}{\text{Sub-heads (a) to (l)}}$

NORTH WESTERN (STATE) RAILWAY SYSTEM-contd

9 (a) North Western (State) railway proper (5' 6" gauge)—concld

Statistics of working-

| | | | | TABL | ΕI | | | | | | | | | | TAI | LE 1 | 1 | | · · · · · · · · · · · · · · · · · · · | | | | |
|--------------|---|-------------------|--------------------------------|--------------------|-------------------|--------------|---------------------------------|------------------------|-----------------|-------------------------------|---------------------------|------------------------------|---------------------------|-------------------------------|---------------------------|---------------------|----------------------------|-------------------------------|---------------------------------------|--------------------------------|---------------------------|--------------------------------|--------------|
| 1 | 1 | | 1 | 1 | | 1 | 5 1 | | | C. | - 3 | 70 | | 7. | dus | | | | North | West | ern (S | ate) | |
| | Capita 1 | Cours | Not | capital outlay | | | id to Compan | Gain or loss to the | | Pu | nd njab Ocibi G' | Par Nort | thern C' | Valle: | r and i thar '0" | Amri Pathe 6' | itsar- inkot 6' | Con cial tio | BCC | Milli seet | | En li | tiro ne |
| Coleman Jean | Capital outlay to end of each year | Gross carnings | Net earnings | Per cent on capita | Interest | Annuity | Surplus profits paid to Company | loss to the State | Calcudar year | Larnings per mile per neel | Pro of exp to earnings | Farning per mile per week | Pro of exp to earnings | karrinks per mile per week | Pro of exp to earnings | Larnings per | Pro: of exp to earnings | Larnings per milo per week | Pro of exp to carnings | I arnings per mile per week | Pro of exp to earnings | Earnings per nille per week | Pro : of orp |
| | 1ks 21,07 61 217 | Ps 1 61 27 621 | Rs 55 38,879 | 2 55 | Rs 1 00 29 915 | Es | Гs | Pq -41 92 11 | 1 | Ra 68 | 97 28 | Rs | | Ps | | Re | | Rs | | Rs | | Rs | |
| | , | 1 00,30 666 | | 3 92 | 1,11 36 019 | | 21,122 | -30 92 49 | 1862 | 112 | 1 | 1 | 1 | | | | ٠. | | | | | | |
| • | 20 90,35 401 | 90 04 725 | ļ | | 1 17 64 668 | | | -71 61 32 | 1663 | ı | 83 01 67 20 | | | | | | | | | | | | |
| | 25 33 29 309 | ŀ | | | | | | -47 87 70 | 1865 | i | 52 1 | 1 | | | - | | | | | | · · | | |
| 2 | 77,49,41 870 | 8° 43 972 | ' | | 1 05 63 712 | ļ | | 1 | 1850 | 1 | 701 | 1, | | | - | | | | | | | | ١. |
| 3 | 28 18,15 800 | 1 03 81 14 | 67,10 213 | 1 | 1 07 43 931 | İ | | -20 23 69 | 1868 | L | E9 0 2 0 0 6 | | | | ١ | | " | | | | * | | |
| 4 | 20,20 27 775 | 1 07 68 741 | 89 21 631 | 3 62 | 1 18 % 701 | | | -30 00 9/ | 1860 | 11 | 7 SO 7 | 0 | - | | - | | | | | | | |] |
| 5 | 31 69 13 4.8 | 1 40 78 98 | 3 1 37,41 12 | 4 34 | 1 64 98 63 | • | 1 20 00 | 3 -28 8° 6° | 1871 | 1 | 0 76 1 2 00 0 | | | | | | | | - | | | | |
| G | 33 89 68 533 | 2 53 60 90 | 1 10 92 63 | 3 51 | 1 14 07 14 | 63 00 783 | | -47 10 0 | 1672 | 1 | \$ 60 7 | | | | | | | | | | | | |
| 7 | 36 16 43 700 | 2 19 03 38 | 57,77 59 | 5 160 | 01 66 77 | 63 30 32 | ·\ | -1 3° 00 5 | i | 1 | 4 68 6 | - 1 | [| | | | | | - | | | | |
| 3 | 37,60 58 623 | 2 57 70 30 | 83 66 69 | 8 2 23 | 1 09 18 03 | 53 4 > 76 | 3 | -1 99 99 0 | 0. 18,4 18,5 | 1 | 1 64 9 1 64 9 | - [| 63 4 | 1 | | | | | | | " | | |
| 9 | 33 73 09 431 | 2 87 06 8 | 0 1,02 81 74 | 2 60 | 1 13 70,51 | 6 83 03 76 | 8 | -01000 | | ļ | 6 67 (| - 1 | 77 : | - 1 | | | | | | | | " | |
| ю | 41,5167150 | 2 73 99 00 | 30 1,02 67,69 | 1 2 47 | 1 16,66 5 | 5 74 54 32 | 3 | -68,63 3 | 9, 1877 | 1 | 67 1 34 64 1 | | 39 66 8 39 89 3 | | 6 122 1 | | | | | - | | - | |
|)1 | 41 87 30 971 | 3 25 78 3 | 50 1 21,3°,62 | 1 2 00 | 1 20 67,54 | E9 05 29 | 2 | —79 49 8 | 18,6 21 18,6 | 1 | 17 69 | - 1 | 15 .0 (| | 1 81 1 | - 1 | | | | • | | | |
| 02 | 42 71 90 6.9 | 7 G4 35 G | 35 9 3 59 90 | 59 2 21 | 1 23 25 03 | 80 83 07 | 6 | _1 10 59 1 | 18 (| -1 | .2 65 1 | - 1 | 63 : | - (| 0 71 1 | - 1 | | | | | | | |
| 93 | 43 71 93,581 | 2 92 68 7 | 32 97 97 G | 13 2-21 | 1 27 61 68 | 2 90 93 64 | | -1 20 GT E | 1881 | 1 | 5 CO : | | 09 50 6 51 63 2 | - 1 | 5 78 4 1 69 1 | | | | | " | | | |
| | 44 78 05 925 | | 07 1 29 25 18 | 31 2 56 | 1 24 63 22 | 9 1 03 69 21 | .51 | -99 97 3 | 1693 | 3 2 | G/ : | 13 1 | 14 81 : | 11 70 | 3 65 6 | 5 | | | | | - | | |
| 01 | 46 28 14 462 | | | 1 | | 3 1 03 17 39 | | -73,71 (| 18° | | 00 01 : 3 57 : | - 1 | 39 72 3 65 62 6 | 1 | 0 69 4 | 1 | 1 80 2 | 1 | | | | | |
| 90 | | | İ | | 1 | | 1 | _1 19 97 6 | 188 | | | , | 03 02 | | | | - | | | | " | 26 | 1 5 |
| 00 | 47 81 90 892 | 1 | 49 1 18 86 40 | | 1 4° 35 4° | | , | | 1887 | . 1 | | | | | | | | | | - | | 18 | |
| 97 | 49 79 % 290 | | 1 | | - | 1 | | -86 66 0 | 188 | - 1 | | | | | | | | 20 | 0 56 5 | 3 8 | ,107 a | | 1 6 |
| 80 | | | 12 1,85,74 3 | 1 | 1 | | 10 | -61921 | 189 | 1 | | | 1 | | | | | - 1 | 3 54 9 |) EI | 110 7 | - 1 | |
| 90 | 1 | İ | 59 1 60 89,3 | 1 | 1 | 1 | 26 | -76 12 : | 159 | | | | | | | | | - 1 | 11 65 6 12 56 5 | 1 | 8 122 4 9 131 (| - 1 | - |
| 000 | 60 57,26 11 | 3 15 22 2 | 37 1 32 10,1 | 51 2 6 | 1 54 25,1 | 8, 76,6 | 32 | —1 97 8° | 160 | 1 | | | | | | | | - [| 3 60 2 | 1 | 0 122 2 | - 1 | |
| 101 | 51,9 \$ 27,4 \$ | 8 111,502 | 2 93 66 4 | 71 3 9 | 1,55 60,6 | 04 86 92 2 | 72 | -37 96 | - 1 | - | | | | | | | | - 1 | 63 1 | 1 | 6 122 0 | | 3 6 |
| 002 | 52 63 16 99 | 1 4 22 10,0 | 1,73 70 0 | 01 3 3 | 1 59,69 6 | E0 85 81,4 | 55 | —71 50 | 9_1 189 | | | | | | | | | 1 | 9 46 7 02 54 6 | ì | 5 116 : 5 9,4 | - 1 | |
| 003 | | 1 | , 50 0a E | | | | | i | าะปี 187 | | | | | | | | | - 1 | 40 7 | 9 7 | 2 93 | 76 22 | 5 |
| 101 | 1 | | 310 3 2° 92 9 313 2,90,52 3 | - 1 | 2 1 67 34 7 | | - 1 | +69 59 | | | | 1 | | ļ | | İ | | į, | 4 45 9 8 4- 7 | 1 | 3 101 : s 123 : | - 1 | ı |
| ე0ა | 07 66 34 0" | 1 0 80 11 7 | 200,000,000 | 50 | 12,10 2 | 00 01 0 | | Toano | 190 | - | | | | | | | " | - 1 | 75 52 3 | 1 | 0 197 | ì | - 1 |
| | | | | | ١ | | | | 190 | 1 | | | | | | | | - 1 | 50 45 4 | - 1 | 9 99 | 1 | - 1 |
| | | | | | | | | | 190 | - 1 | | | | | | | | | 63 6 21 44 4 | - 1 | 7 112 5 106 | - 1 | -1 |
| | | | | | | | 1 | | 100 | 1 | | | | | | | | 1 | 19 42 2 | 9 7 | 5 113 | 4/ 30 | 31 |
| | | | | | | | | | 190 | 5 | 1 | 1 | | 1 | | | | 4 | 33 46 6 | 5 7 | 5 91 | 82 33 | 33 |

Ristory of railways constitueted and in progress [For Index see page 106]

Main head 9 Nnmber Sub heads (a) to (l) NORTH WESTERN (STATE) RAILWAY SYSTEM-contd

9 (b) Jammu and Kashmir (Native State section) (5' 6" gruge)—

Details of construction-

This line, which extends from the Kashmir frontier to the left bank of the Tawi river near Jammu, is 15 98 miles Its construction was sanctioued in 1888 and it was opened in 1890

Permanent way -The permanent-way consists of 75-lb flat-footed steel rails laid on transverse sleepers of creosoted pine and deodar

Ballast —The line is ballasted throughout with broken stone Fencing —The line is unfenced except at Sialkot station Curves —The sharpest curve is of 2,865 feet radius

Gradients -The ruling gradient is 1 in 500

Terms of contracts-

The railway is norked by the State under the following agreement -

Agreement—having effect from 1st January 1903 (between the Government of India and the Kashmir Durbar) for construction and working

The general conditions of the agreement are as follows --

Government and - (vovernment allow this inilway in addition to 44 5 per cent of the gross earnings of the Tani-Suchetgarh section a relate payment on interchanged traffic to the extent necessary to give the Duibar a total dividend of 3½ per cent per annum on the actual expenditure to the end of the half year concerned as entered in supecs in the capital account of the said railway—subject to a maximum limit equal to the net earnings of the North Western (State) rails is from traffic interchanged with this section

Currency of agreement - The agreement is current for a period of five years from 1st January 1903 and is terminable thereafter on six months' notice by cither side

Terms of working - The North Western (State) railway work and maintain the line for 55 5 per cent of its gross carnings, which includes line of locomotives and rolling stock necessity and cost of such new minor works as are usually charged to revenue on the North Western (State) railway, subject to a limit of Rs 30 per mile per annum. The cost of additional works usually charged to capital to be found by the Durbar, no charge being made by the North Western (State) railway for supervision of the construction of such capital works except where special establishment is required

Rates and fares - Rates and fares are those which are from time to time in force on the main line of the North Western (State) railway

Statistics of working-

| | | | T | ABLE I | | | | TABL | E II |
|---|---|--|--|--------------------------------------|---|----------------------------|-------------------------------|----------------------------------|---|
| Calendar year | Capital outlay to end of each year | Gross earmags | Net carniags | Per cent on capital outlay | Rebate from North Wes tern (State) railway | Total income | Percentage on total income | Earnings per mile per veek | Proportion of expenses to earnings |
| | Rs | Rs | Re | | Rs | Rs | | Rs | |
| 1888 1889 1890 | 29 545 7,51,458 12,37,071 | 45,667 | 13,770 | 1 11 | | | | ָ ו | |
| 1891 1892 1893 1894 1895 | 13,80 083 9 45,302 9,56,327 9 59,773 9,60 (10 | 57 912 41,718 51,637 60 463 56,239 | 15 904 15,444 14 932 17 555 25 026 | 1 15 1 63 1 50 1 83 2 60 | | | | | ith the North State) railway |
| 1896 1897 1893 18 ⁹ 1900 | 9 (0,011 9,65 151 9 62,846 9 60,820 9 60,492 | 55,185 48 509 48 164 51,132 55 210 | 24,508 21,587 21,433 22,932 24,571 | 2 55 2 24 2 23 2 39 2 56 | | | | 58 62 67 | 55 50 55 50 55 50 |
| 1901 1902 1903 1914 • • | 9 60 6°6 9 62,471 9 62,284 9 62 206 9,62,208 | F2 484 51 865 54 881 56,231 66 842 | 23 355 23,080 24 422 27,023 29,745 | 2 43 2 40 2 54 2 60 3 09 | 9,258 8,615 4,540 | 33,680 8°,678 34,285 | 3 50 3 50 3 57 | 63 63 66 68 80 | 55 50 55 50 55 50 55 50 55 50 |

9 (c) Ludhiana-Dhuri-Jakhal railway (5 6 gauge)-

Details of construction-

This railway is 78 66 miles long. Its construction was structioned in 1999 and it was opened in 1901

Permanent way -The permanent way consists of 75-lb flat footed steel rails laid on transverse sleepers of creosoted pine and deodar

Ballast -The line is hallasted throughout with broken I rick

Fencing -Only the station rards and about 100 feet each side of level crossings are fenced

Curves -The sharpest curve is of 1,364 feet radius

Gradients - The ruling gradient is 1 in 400

History of railways constructed and in progress.

[For Index see page 106]

NORTH WESTERN (STATE) RAILWAY SYSTEM-contd Main head 9 Number Sub beads (a) to (l)

9 (c) Ludhiana-Dhuri-Jakhal railway (5' 6" gaugo)-concld

Terms of contract-

The railway is worked under the contract of 6th September 1899 (between the Secretary of State and the Maler Kotla and Jind Durbars) for construction and working

The general conditions of the contract are as follows -

Government and -The line was constructed at the cost of the Maler Kotla and Jind Duibars

Currency of contract -The contract is terminable on the 1st January or 1st July in any year on six months' notice by either party On breach of any of the provisions of the contract, if not remedied within six months of notice, the Secretary of State may determine the contract Upon the determination of the contract the North Western (State) railway will give to the Maler Kotla and Jind Durbars possession of the railway, works, surveys and stores, and, on this being done, the Maler Kotla and Jind Durbars will indemnify the North Westein (State) railway from all debts and habilities incurred for the Ludhiana-Dhuit-Jakhal railway then subsisting. The working stores provided by the North habilities incurred for the Ludhiana-Dhuii-Jakhal railway then subsisting. The working stores provided by t Western (State) railway may, if desired by that iailway, be taken over at a valuation to be mutually agreed upon

Terms of working —After deduction of 55 per cent of the gross receipts for worling expenses, the balance is paid to the Maler Kotla and Jind Duibiis to be divided between them in the proportion of $\frac{1}{b}$ th and $\frac{4}{b}$ ths, respectively

Rates and fares - Rates and fares as in force on the North Western (State) railway

Statistics of working-

| | Table | Таві | F II. | | | | |
|--------------------------------------|--|--|--|--------------------------------------|----------------------------------|---|---|
| Calendar year | Capital outly to end of each year | Gross carnings | Net earnings | Per cent on capital outlay | Eafnings per mile per week | Proportion of expenses to carnings | Remares |
| 1901 1902 1903 1904 1905 | Rs 43,10 407 43,24 799 41 19 964 41 19 684 41 22 517 | Rs 2,02,297 4,0-,005 3 15,026 3 46 0.9 5 15 007 | Rs 91,034 1,82,252 1 11,762 1 55 727 2 31 753 | 2 11 4 21 3 14 3 78 5 63 | Rs 63 99 77 85 126 | 55 00 55 00 55 00 55 00 51 00 | The decrease in Capital outlay in 1903 was due to credits |

9 (d) Rajpura-Bhatinda railway (5'6" gauge)-

Details of construction-

This railway is 107 05 miles long. Its construction was first sanctioned in 1883 and it was opened through in 1889

Permanent-way -The line from Rappura to Patiala is laid with 68-lb bull headed steel rails on deodar sleepers and from Patrila to Bhatinda with 75-lb flat footed steel rails on ereosoted pine and deodar sleepers

Ballast —The line is ballasted throughout with broken brick

Fencing —The line is fenced between Raipura and Patiala and at station yards and 100 feet on each side of level crossings between Patrila and Bhatinda

Curves —The sharpest curve is of 1,146 feet radius

Gradients -The juling gradient is 1 in 500

Terms of contract-

The railway is owned by the Patiala State and is worked by the North Western (State) railway under the following -Contract of-30th January 1893 (between the Secretary of State and the Patiala Durbar) for maintenance and work-

Government of India letter No 817 R T of 5th October 1903, sanctioning the reduction in the percentage of gross earnings to be retained by North Western (State) railway for working, from 55 to 52, with effect from 1st January 1904

The general conditions of the contract are as follows.

Government and —The line has been constructed at the cost of the Patilla Durbar

Currency of contract — The contract is terminable on the 1st January or 1st July in any year, on six months' notice by either party. On blench of any of the provisions of the contract, if not remedied within six months of notice, the Secretary of State may determine the contract. Upon the determination of the contract, the North Western (State) lailway will give to the Patrila Duibar possession of the railway, works, surveys and stores, and, on this being done, the Patrila Durbar will indemnify the North Western (State) railway from all debts and hibilities incurred for the Rajpura Bhatinda railway then subsisting. The working stores provided by the North Western (State) railway may, it desired by that railway, be taken over at a valuation to be mutically agreed upon

Terms of working -55 per cent of the gross earnings to end of 1908 and 52 per cent thereafter

Rates and fares - Rates and fares as in force on the North Western (State) railway

History of railways constructed and in progress
[For Index see page 106]

Number Sub-heads (a) to (l) NORTH WESTERN (STATE) RAILWAY SYSTEM—contd.

9 (d) Rajpura-Bhatinda 1 ailway (5' 6" gruge)-concld

Statisties of working-

| | TABI | E I | | | | TAR | are 11. |
|--|---------------|---|---|--|--|---|---|
| | Calendar year | Capital ontlay to end of each year | Gross earnings | Net earnings | Per cent on capital outlay | Larnings per mile per week | Proportion of expenses to earnings |
| 1984 | | R_8 | Rs | Rs | | Rs | <u> </u> |
| 1885 1686 1887 1883 | | 11,12,259 12,29,141 12,29,141 12,43,250 22,61,990 | 5,111 48,769 64,623 Not availabl | -496 -4,255 13,816 15,425 18,640 | 1 12 1 24 0 82 | 17 59 78 Included wit ern (State) | 109 72 106 09 78 62 h North Wost railway |
| 1869 1890 1891 1892 1893 | , | 62 83 918 65,00,334 65 81,553 66 41,382 67,26,941 | 1,09,480 5,66,946 7,19 859 5,61,053 6,84,347 | 58,403 2,55,126 3,23 937 2,53 821 3,07,956 | 0 93 3 99 4 92 8 82 4 58 | 74 101 129 100 122 | 55 00 55 00 55 00 55 00 55 00 |
| 1894 1895 1896 1897 1898 | • • | 67,01 669 67 02,457 66,95,813 66 96 451 67,04,520 | 12,59,032 13 18 902 9,97,526 6,96 997 7,02,637 | 5,66 565 5,93,506 4,49,022 3,13 617 8,16,187 | 8 15 8 86 6 71 4 63 4 72 | 224 235 178 124 125 | 55 00 55 00 55 00 55 00 5a 00 |
| 1899 1900 1901 1902 1903 1904 1905 | | 67,05,785 67,07,785 67 10 823 67,12,9,7 67,18 890 67 23 431 67 18 831 | 6,79,520 6 93 804 8,60,612 8,10,947 9,64 002 10 67, 125 12 53 890 | 3,05,784 3 12,311 3 87,289 3,78,126 4 33 801 5 12 604 6 01 628 | 4 56 4 66 5 77 5 64 6 46 7 62 8 95 | 122 125 105 111 178 192 225 | 55 00 55 00 55 00 55 00 55 00 52 00 52 00 |

9. (e) Southern Punjab railway (5' 6" gruge)-

The rulway runs from Delhi, via Bhatinda, to Samasata on the North Western (State) rulway, shortening the distance by rulway between Dolhi and Karachi by 187 miles as compared with the route via Umbalia and Lahore

Details of construction-

The open milenge amounts to 425 33 miles, which may be divided into main line (Delhi to Samasata), 401 95 miles, and branch, 23 38 miles. The main line was opened through in 1897

Permanent-way —The permanent-way consists of 75-lb flat-footed steel rails laid on transverse sleepers of ereosoted pine and deodar

Ballast - The line is ballasted throughout with broken brick

Fencing -Only the station yards are fenced

Curves - The sharpest curve is of 2,100 feet radius

Gradients —The ruling gradient is 1 in 400

Terms of contracts-

The railway is worked under the following contracts — Contract of—13th August 1895 (between the Secretary of State and the Southern Punjab Railway Company) for construction and working

4th May 1899 (hetween the Secretary of State and the Southern Punjab Railway Company) for eonstruction and working of the Narwana-Kaithal branch

4th October 1905 (between the Secretary of State and the Southern Punjab Railway Company) for construction and working of the Southern Punjab "Ludhiana" extension, 9 (7)

The general conditions of the contracts are as follows -

Government and —Government allow the Company in respect of each half-year, by way of rehate on the net earnings of the North Western (State) railway from traffic interchanged with the Southern Punjab railway and from through traffic the amount of such net cainings of the North Western (State) railway sent over the Southern Punjab railway, such a sum (not exceeding up an amount equal to interest for the very at the rate of 3½ per cent on the actual rupce expenditure charged in the capital account. Land was provided free of cost to the Company.

Currency of contract — Government may, by giving twelve months' notice, determine the contract on the 31st December 1923, or at the expiration of any subsequent period of ten years, paying to the Company in sterling a sum equal to 25 times the average of the Company's share of the net earnings of the railway during the last preceding five years, not exceeding hy more than 20 per cent the total capital expenditure of the Company in sterling, nor heing less than such capital expenditure. Government may also determine the contract on the 31st December 1948, paying to the Company in sterling a sum equal to the total capital expenditure in sterling.

History of railways constructed and in progress [For Index see page 106]

Main head 9 NORTH WESTERN (STATE) RAILWAY SYSTEM-confd. Number Sub heads (a) to (l)

9 (e) Southern Punjab 1 ailway (5' 6" gauge) -concld

Terms of contracts-concld

Power of Company to surrender contract -Nil

Terms of working -Government undertake to work and maintain the line and provide rolling-stock at 52 per cent of the gross callings. Surplus profits in excess of 3% per cent per annum on the total capital expenditure in sterling are dressble equally at the close of each year between the Government and the Company. The North Western (State) railway take all receipts from traffic between its own stations including Delhi and Samasata, but excluding the Patiala State railway, which passes over the Southern Punjab railway. The Company, in addition to the earnings from local and interchanged traffic, receives, where it forms part of the shortest route, its mileage proportion of traffic between the North Western (State) railway and foreign lines

Rates and fares — Rates and fares to be fixed by Government within the maxima and minima rates and fares

in force on the North Western (State) railway

Statistics of working-

| | | | TAB | LE II | | | | | | |
|--|--|--|--|--|---------------------------------|--|---|----------------------------------|--|--|
| Calendur year | Capital ontlay to ond of cach year | Gross e truings | Net ormngs | Percentage on orpital outlay | Bebate from N W (S) | Total incomo | Percentage of total in como on capital outlay | Earnings per milo per week | Proportion of expenses to earnings | Remares |
| 1895 1896 1897 1-93 1899 1900 1901 1902 1-03 1-1904 1905 | Rs 21,49 441 1,30,67,048 1,99,99 412 2,95,68,262 2,21,77,163 2,25,70,784 2,27,93,660 2,29,43,454 2,30,18,696 | Rs 1,C1,038 16,74,122 16,11,010 16,36,280 24,96,333 10,41,541 21,40,158 27,47,412 16,40,372 | Rs 77,998 7,91,978 7,78,235 7,99,360 11,98,240 9,31,940 10,86,496 18,18,772 17,47,379 | 0 39 3 49 5 41 3 48 5 31 4 09 4 14 5 74 7 59 | Rs 10,942 17,418 3,562 | Rs 77,240 7,91,0,8 7,90,603 7,92,922 11,94,240 9,41,940 10 96,396 13,18,772 17,47,370 | 0 40 9 79 3 49 9 750 5 31 4 09 4 01 5 74 7 75 | Rs 52 74 73 74 113 68 98 124 165 | \$2 00 \$2 00 \$2 00 \$2 00 \$2 00 \$2 00 \$2 00 \$2 00 \$2 00 | Adjustments unde the Cripps awar- were brought int account in 1901 but in these status ties they have been adjusted and allo- cated to the prop- years |

9 (f) Southern Punjab "Ludhiana" extension (5' 6" gauge) -

The open mileage, from Ludhiana to Ferozepore, is 77 05 miles It was sanctioned in 1903 and opened in 1905 Besides the above there were 77 45 miles under constituetion at the close of the year

Permanent-way — The permanent-way consists of 75 lb flat footed steel rails on Australian jarrah wood sleepers

Ballast - The line is being ballasted chiefly with brick

Fencing - Only the station yards, and short lengths on either side of all level crossings where gates and gate lodges have been provided, are being fenced

Curves —The sharpest curve is of 1,910 feet radius

Gradients - The ruling gradient is 1 in 400

Terms of contract-

This railway is worked as a part of the Southern Punjab railway under the contracts and conditions relating to that railway [9 (e)], except is follows -

Government and -Government allow the Company, by way of rebate, on the net earnings of the North Western (State) railway from traffic interchanged or sent over any part of the Company's lines including the Ludhiana extension, such a sum (not exceeding the amount of such not earnings of the North Western (State) railway) as together with the not earnings of the Company in respect of the Ludhiana extension will make up interest at the rate of 5 per cent per innum on the capital expenditure of the Company in respect of the extension as charged in the capital account

Currency of contract - Concurrent with the contract contained in the Principal Indenture If determined by notice of purchase on 31st December 1923 or at the expitation of any subsequent period of ten years there shall be paid to the Company a sum equal to twenty five years' purchase of the average of the Company's share of the net earnings of the extension during the five years immediately i receding such 31st December, subject to a maximum limit of 20 per cent of the total capital expenditure on the extension and a minimum of the total steeling capital expenditure of the extension. If determined by notice of purchase on 31st December 1948 then the total amount of such capital expenditure as aforesaid in sterling

Terms of working -Surplus profits in excess of 5 per cent per annum on the total capital expenditure are divisible at the close of each year between the Company and the Secretary of State in the proportion of one-fourth to the former and three-fourths to the latter

Statistics of working-

| | TABLE II | | | | | | | | |
|---------------|-----------------------------------|------------------------|--------------|----------------------------|--------------|--------------|--|----------------------------------|------------------------------------|
| Calordar year | Capital cutlay to end bf the year | grogs earnings O | Not carnings | Por cont on capital outlay | | Total mcome | Per cent of total income on capital outlay | Earnings per mile per week | Proportion of expenses to carnings |
| 1105 | Rs 70,09,669 | Rs - 73,832 | Rs 35,^00 | 0 50 | Rs 10,500 | Rs 45,700 | 0 66 | Rs. | 52 00 |

History of railways constructed and in progress
[For Index see page 106]

Number $\frac{\text{Main head 9}}{\text{Sub heads (a) to (l)}}$

NORTH WESTERN (STATE) RAILWAY SYSTEM—contd

9 (9) Khushalgarh-Kohat-Thal railway (2' 6" gauge)-

Details of construction-

The line is 91 73 miles long Its construction was sinctioned in 1900 and it was opened through in 1903

Permanent-way — The permanent-way between Khushalganh and Kolart consists of flat-footed steel rails, 35 lbs to the yard, laid on wooden sleepers, the Kohat Thal section is laid partly with 25-lb and partly with 21-lb rails, partly on wooden and partly on steel sleepers

Ballast — The line is ballasted throughout with broken stone

Fencing -The line is unfenced

Curves -The sharpest curve is of 239 feet radius

Gradients —The ruling gradient between Khushalguh and Kohat is 1 m 83 3 and between Kohat and Thal 1 m 100

Terms of contracts -The line is owned and worked by the State

Statistics of working-

| | Table II | | | | |
|---|------------------------------|----------------------------------|-------------------------------------|--|--|
| TABLE I | Calondar year | Earnings por milo per week | Proportion of expenses to carmings | | |
| Included with the North Western (State) railway | 1902 1903 1904 1905 | Rs 31 34 34 33 | 67 88 174 56 222 38 166 36 | | |

9 (h) Nowshera-Durgai railway (2' 6" gauge)-

Details of construction-

This railway is 40 25 miles in length—Its construction was sanctioned in 1899 and it was opened through in 1901

Permanent-way—The permanent-way consists of 35 lb flat footed steel iails laid partly on wooden and partly on steel sleepers

Ballast -The line is ballisted throughout with broken stone

Fencing -The line is unfenced

Curves -The sharpest curve has a radius of 477 feet

Gradients -The ruling gradient is 1 in 100

Terms of contracts -The railway is owned and worked by the State

Statistics of working-

| | TABLE II | | | | | |
|---|------------------------------|----------------------------------|-------------------------------------|--|--|--|
| Table I | Calendar year | Earnings per mile per week | Propertion of oxpenses to earnings | | | |
| Included with the North Western (State) railway | 1902 1903 1904 1905 | Rs 51 53 69 63 | 152 27 101 67 97 29 103 17 | | | |

9. (1) Dandot Light railway (2' 0" gauge)-

The Dandot Light railway has been constructed by the North Western (State) railway to develop the Dandot colhery which is worked primarily for the benefit of the railway. The section from Dandot to the mouth of the main mine consists chiefly of two inclines worked with steel wire ropes by combined gravity and steam power. On the second portion (129 miles) there is another incline worked by gravity alone.

Details of construction-

The line is 6 18 miles long The section from Dandot strition to the mouth of the main mine was opened in 1889 Permanent-way —The permanent way consists of old metro gauge 36-lb and 40-lb rails laid on decdar sleepers Ballast —The line is ballasted throughout with broken stono

Fencing -The line is unfenced

Curves -One semi-circular curve of a radius of 75 feet is used to enable the line to turn on itself

Terms of contracts -The line is owned and worked by the State

Statistics of working.-Included with the North Western (State) iailway

History of railways constructed and in progress [For Index see page 106]

Main head 9 Number Sub hords (a) to (l) NORTH WESTERN (STATE) RAILWAY SYSTEM-coneld

9 (1) Amiitsar-Patti railway (5' 6" gauge)—

Details of construction-

This line, from Amritsar via Tarn Taran to Patti, will be 26 85 miles long. It was sanctioned in 1905 and is under construction

9 (1) Jullundur-Kapurthalla-Sultanpur (British section)—

This line, which will be 6 80 miles long, has not yet been commenced, nor has the gauge been settled (1) Jullundur-Kapurthalla-Sultanpur (Native State section)—

The Native state section will be 22 02 miles long. The same remarks apply to it as are made against the British section

Number Main hoad 10 Sub beads (a) to (c) OUDH AND ROHILKHAND (STATE) RAILWAY SYSTEM—

Lines comprising the system -The Oudli and Robilkhand (State) railway system is made up of-

| | | Open line | Under construction or exactioned for construc tion | Total |
|--|-------------------------|---------------------------|---|---|
| (a) Oudh and Robilkhand (State) railway (5'6' gange) | | Miles 1,163 24 1 81 | Miles 57 50 | Milen 1,020 71 1 81 |
| (b) Hardwar Dehra railway (5' 6" gaugo) | | 201 | | 32 01 |
| (c) Campore Burhwal link (3' 33" gauge) | • | 79 60 | | 79 60 |
| | Total | 1,276 (9 | 57 50 | 1,334 10 |
| Running powors— | | | | |
| Home line over Foreign line — Ghaziabad to Delhi, Last Indian railway, granted for passonger Foreign lines over Home line — Great Indian Peninsula railway at Campore """, Campore to Lucknow granted East Indian railway, Moghal Sarai to Benares Cautonmou*, for e | for presenger and goods | triirs, but exe | • | . 13 00 - 13 00 - 15 { 0 EG 41 63 10 00 |
| | | | | |

10 (a) Oudh and Rohilkhand (State) railway proper (5' 6' gauge)-

The Oudh and Rolulkhand railway was acquired by the State from the late guaranteed Company on the 1st January 1889

A tramway constructed at the expense of Mesers Calew and Company connects the Rosa Sugar factory with Rosa station on the Oudh and Robalkhaud (State) rulway This tramway is 3.25 miles long and is worked by manual power. It is used for goods traffic only

Details of construction -

The total open unlerge of the railway is 1,165 05 miles. This may be divided into (1) Main line (Moghal Sarai to Sabaranpur), 518 49 miles, (2) Benares-Lucknow loop, 199 03 miles, (3) Barcilly-Moradabad loop, 70 50 miles, and branches, 375 22 miles, and 1 81 miles of 3' 3% gauge at Benares.

First sanction to construction was given in 1861 The main line the Rai Baroilly was opened through in 1898. The Benares-Lucknow loop was opened through in 1871, and the Barcilly-Moradabad loop in 1873

There are 57 50 miles under construction

Permanent-way -The main line and Bonnes-Lucknow loop are laid throughout with 75-lb flat-footed steel ruls So are most of the branches, although some 60-lb flat-footed steel rule are still to be found in a few of the branches, e.g., the Aligarh branch and in a portion of the Barcelly-Moradabad loop. There are also a few miles of 60-lo flat footed iron rails in the Bahramghat and Madhogani branches

The sleepers are of the following types —stamped steel bowls, east-iron pots, steel trough transverse and wood (sal, deeder, Jurah and New South Wales hard wood) There are a few wrought iron saddle back sleepers in the Kotdwara branch and Barelly-Moradabad loop

Ballast —The main line is ballasted throughout with kunkur, stone, or slungle

The branches are ballasted either with sand or earth with a covering of broken brick, kunkur or stone, except the Allababad, Delhi and Cawnpore branches which are ballisted with kunkui, stone or shingle

Fenerag -The line is fenced throughout with the oxeeption of the Madhoganj, Meerut and Kotdwara branches. Curves -The sharpest ourve on the line is of 1,000 feet radius

Gradients -The ruling gradient of the whole of the railway is 1 in 100

Terms of contract-

The Oudh and Rehilkhand (State) railway is owned and worked by the State.

History of railways constructed and in progress
[For Index see page 106]

Number $\frac{\text{Main head } 10}{\text{Sub-heads (a) to (c)}}$

OUDH AND ROHILKHAND (STATE) RAILWAY SYSTEM-contd

10 (a) Oudh and Rohilkhand (State) railway proper (5' 6" gauge)—concld

Statistics of working-

| | | | Table I | | | | | Table II. | | |
|--------------------------------------|--|---|---|--------------------------------------|---|--|--|--|---|---|
| Calendar year | Capital outlay to end ef each year | Gross earnings | Net earnings | Por cent on capital outlay | Interest | Surplus profits paid to Company | Gain or loss to the State | Calen dar year. | Earnings per milo per wook | Proportion of expenses to earnings |
| | Rs | Rs | Rs | | Rs | Rs | Rs | 1867 1868 | Rs 74 120 | 106 97 64 54 |
| 1879 1880 | 5,80,95,764 6,02,24,081 | 43,44,843 44,55,150 | 18,19,936 19,04,409 | 3 14 3 16 | 28,00 000 28,19,916 | | -9 80,064 -9,15,537 | 1869 1870 1871 1872 | 97 112 117 56 | 81 74 227 93 69 31 68 58 |
| 1881 1882 1883 1884 1885 | 6,25,80 935 6,52,79,840 7,07,69,446 7,91,43,383 8,54,84,426 | 49,23,730 52,62,844 54,56,255 52,70,198 55,37,369 | 19,75,699 18,01,371 24,80,362 23,26,146 17,95,361 | 3 16 2 76 3 50 2 94 2 10 | 29,14,137 30,67,622 31,35,495 41,14,587 46,53,333 | | -9,38 438 -12,66,251 -6 55,133 -17,88,441 -28,57,972 | 1873 1874 1875 1876 | 56 72 97 120 | 72 91 64 41 59 71 63 93 |
| 1886 1887 1888 1889 1890 | 8,95,12,775 9,17,06 668 9,18 41,649 9,22 32,226 9,27,89,280 | 65 05,408 66,46,213 70,77,053 75,39,653 73,81,390 | 28 60,755 31,35 249 30,16,005 42,04,076 37,54,478 | 3 20 3 42 3 28 4 56 4 05 | 51,88,014 58,98,389 51,67,494 49,71,698 44,28,109 | | -28,27,259 -22,63,690 -21,51,489 -7,67,822 -6,68,631 | 1877 1878 1879 1880 1881 1882 1883 1834 1885 | 153 163 153 157 173 185 192 182 176 | 52 88 54 23 58 11 57 25 59 91 65 77 54 54 55-99 |
| 1691 1692 1693 1694 1895 | 9,28,38,358 10,34,95,085 10,09,17,292 10,28,87,184 10,65,05,148 | 85,64,209 85,42,836 87,15,926 1,05,18,936 1,02,94,880 | 49,42 458 50,16,329 50,17,053 57,36,138 52,55,948 | 5 32 4 84 4 97 5 58 4 93 | 47,25,666 52,79,111 55,01,058 63,11,123 63,69,949 | | +2,16,792 -2 63,082 -4 84,005 -5,74,995 -11,14,001 | 1886 1887 1888 1889 1890 | 180 180 197 209 205 | 56 02 52 63 57 38 41-21 49 11 |
| 1896 1897 1898 1899 1900 | 10,92 69 485 11,44,19,239 11,64,90,213 12,21 84,423 12,55,94,869 | 86,97,076 85,15,356 98,51,599 1,11,38,940 1,15,15,132 | 43,50,907 86,96,778 53,07,727 60,76 595 55,91,727 | 3 93 3 23 4 56 4 97 4 45 | 61,30,729 59,77,486 58,76,247 59,75,292 62,29,185 | | -17,79 822 -22 80 708 -5 68,520 +1,01,393 -6,36,458 | 1891 1892 1893 1894 1895 1896 | 238 237 239 262 248 209 | 49 11 42 20 41 28 42 41 45 47 48 95 49 97 |
| 1901 1902 1908 1904 1905 | 12 88,66,865 13,65 17,057 14,52,62 379 14 97,63 929 15 37 92 909 | 1,52 54,991 1,31,65,792 1,39,49 922 1,52 96 206 1,53,85,913 | 72,20,007 64,11,336 72,31,862 71,33,117 63,43 667 | 5 60 4 70 4 98 4 76 4 12 | 63 12,044 64,75,905 68 00 305 70 55 640 71,68,431 | | +9,07,963 -64,569 +151,557 +77,477 -824,764 | 1897 1898 1899 1900 1901 1902 1903 1904 1905 | 186 190 208 209 231 230 226 235 238 | 56 59 46 12 45 45 51 44 45 53 51 90 48 16 53 37 58 77 |

10 (b) Hardwai-Dehra railway (5' 6" gauge)-

Details of construction-

This railway is 32 04 miles long. Its construction was sanctioned in 1896 and it was opened in 1900 Permanent-way—The permanent-way consists of 75 lb flat-footed I S R steel rule on decdar sleepers Ballast—The line is ballasted throughout with shingle, with a covering of broken stone for being Feneral—The line is feneed throughout

Curves —There are no curves with a radius of less than 1,000 feet

Gradients -The juling gradient is 1 in 75

Terms of contract-

The Hardwar-Dehra 1211way is worked under the following contract -

Contract of-26th March 1997 (between the Secretary of State and the Hardwar-Dehra Railway Company) for construction and working

The general conditions of the contract are as follows -

Government and —Interest at 3 per cent per annum is guaranteed Government also allow Rs 3,600 for office and management expenses in any year in which the minimum dividend of 3 per cent is not received by the Company from the earnings of the line, and pay all legal expenses properly debitable to revenue —Land is also provided free of charge

Terms of contract — The Haidwar-Dehra Railway Company is authorised to raise 30 lakks of rupees as capital and, except for bond fide temporary purposes at a leasonable rate of interest, the Company cannot, without the sanction of Government or the working agency, increase its share or stock capital

Currency of contract —Government may determine the contract, on twelve months' notice either on the 31st December 1919 or at the expiration of any subsequent period of ten years, by paying a sum equal to 25 times the average yearly net earnings during the three years prior to determination, provided the payment does not exceed by more than 20 per cent, or is not less than, the total capital expenditure

Power of Company to surrender contract -Nil

History of railways constructed and in progress

[For Index see page 106]

Number Mun head 10 OUDH AND ROHILKHAND (STATE) RAILWAY SYSTEM—concld.

10 (b) Hardwar-Dehia lailway (5' 6" gauge)—coneld

Terms of contract-concld

Terms of working —After deduction of 50 per cent of the gross earnings for working expenses (which may include any single item of capital expenditure, not exceeding Rs 1,000, classed as a 'Minor Work', subject to a maximum charge on such account of Rs 20 per mile of line open in each half-year) and repryment to Government of the interest paid by Government under the contract and attributable to each half year, the residue, if any, at the end of the year to be divided in equal proportions between the Government and the Company

Rates and fares —Rates and fares to be arranged between Government and the working agency within one-and-half times the maximum and minimum lates and fares in force on the Oudh and Rohalkhand (State) railway

Statisties of working-

| | | | TAB | | | | | | | |
|--|--|--|--|--|---------------------------------------|--|---|----------------------------------|--|---|
| Calendar vear | Capital outlay to end of each year | Gross earn angs | Net earnings | Per cent on capital ontlay | Interest | Company s share of net earnings | Gain or loss to the State | Earnings per mile per week | Proportion of expenses to earnings | Remarks |
| 1697 1898 1899 1900 1901 1902 1903 1901 1905 | Rs 1,46,617 10,70,315 23,42,657 20 67,093 28,12 501 28 36 486 28,44,512 29 12 492 29,20,650 | R< 1,60,485 2,13,456 2,52,485 2,62,719 2,63,612 3,13,476 | 80 243 1,06 728 1,26,242 1,31,350 1,31,806 1,56,732 | 3 13 3 80 4 45 4 62 4 52 5 37 | Bs 81,920 85 048 85 260 86 777 81,590 | Rs 11,253 20,597 23,050 22,515 | Rs +22 508 +29 511 +25 512 +21,979 +46,633 | Rs 115 128 152 158 153 168 | 50 00 50 00 50 00 50 00 50 00 50 00 | Interest up to 1900 was charged to capital and not carnings of 1900 were credited to capital in reduction of interest charges |

10 (c) Cawnpore-Burhwal (3' 3% gruge) link-

The construction of the Cawnpore-Burhwal (3' 3%" gauge) link was sanctioned as a part of the project for linking up the 3' 3%" gauge systems of Northern India

Details of construction-

The link is 79 60 miles long — Its construction was sanctioned in 1891 and it was opened through in 1897

Permanent-way -Where the line is not mixed gauge it is laid with new 50-lb steel rails

Ballast -The line is billisted throughout with kunkur, stone, or shingle

Fencing -The line is fenced throughout

Curies -The sharpest curve has a radius of 573 feet

Gradients -The ruling gradient is 1 in 400

Terms of contract-

The line is owned by the State The Bengal and North-Western Rulway Company exercises running powers over it under an agreement with the Oudh and Rohilkhand (State) railway, dated the 21st February 1902, which provides that the Company will haul its truns and traffic over the link and pay to the Oudh and Rohilkhand (State) railway 80 per cent of the gross receipts arising therefrom

Statistics of working-

Included with the Oudh and Rohilkhand (State) railway (5' 6" gauge)

Number Main head 11 ASSAM-BENGAL RAILWAY SYSTEM—

Lines comprising the system -The Assam-Bengal railway system is made up of-

| | | | Open line | construction or sanctioned for construction | Total. |
|---|---|-------|------------------|--|-----------------|
| (3) 70 3 4 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | Miles | Miles | Milos |
| (a) Assam Bengal railway (3' 3g" gauge) (b) Noakhali (Bengal) ruilway (3' 3g" gauge) | • | | 740 38 3 ± 90 | 1900 | 759 38 34 90 |
| | | Total | 775 28 | 19 00 | 794 28 |

The construction of the Assam-Bengal railway as a State line was sanctioned in May 1891. The Assam-Bengal Railway Company was formed in England in April 1892 and took over the works commenced by the State.

11 (a) Assam-Bengal 1211way proper (3' 33" gauge) -

Details of construction-

The total open mileage of the line is 740 38 miles, which may be divided into (1) main line (Chittagong to Tinsukia), 576 61 miles, and (2) branches, 163 77 miles The main line was opened through to Tinsukia in 1903

Besides the above 19 miles were sanctioned for construction in 1905

Permancut-way —The line is laid with 50-lb flat footed steel rails, partly on sal and pyinkado, and partly on bastard sal, nageshur and jarrah wood, sleepers.

History of rankways constructed and in progress [For Index see page 106]

Number Main hoad 11
Sub heads (a) and (b)

ASSAM-BENGAL BAILWAY SYSTEM-contd

11 (a) Assam Bengal railway proper (3' 33" gauge)-concld.

Details of construction-conc'd

Ballast —The ballast consists of broken brick, stone and laterite The whole line has not yet been ballasted

Fencing —The line is fenced between Chittagong Port and Silchar, Laksam and Chandpur, Gauhati Ghat and Gauhati, and half a mile from Gauhati towards Lumding, and at some stations on the hill section

Curies -The sharpest curve is of 355 feet radius

Gradients -- The ruling gradient between Chittagong and Badarpur is 1 in 150, between Badarpur and Lumding 1 in 60, with a 1 in 37 banking section 8.54 imiles long, between Gauhati and Tinsukia, 1 in 100, between Laksam and Chandpur, 1 in 300, between Badarpur and Silchar, 1 in 150

Terms of contract-

The Assam Bengal railway is worked under the following contract -

Contract of -26th April 1892 (hetween the Secretary of State and the Assam-Bengal Railway Company) for construction and working

The general conditions of the contract are —

Government and—Government guarantee interest in sterling at 3 per cent on the Company's shale capital of £1,500,000 Up to 30th June 1898 interest was allowed at 3½ per cent. Land was provided free of charge

Terms of contract —The contract provides that the Compiny raises £1,500,000, and that any further monoy required be supplied either by the Government or raised by the Company under guidance. Subject to the provisions of the contract, all land and everything constructed of the constructed there is, and generally all property, whether real or personal, (with the exception of mones paid against interest on the Company's share espital and sums applied from net carnings) are the property of Government, but are subject to use and enjoyment by the Company during the continuance of the contract

Currency of contract —Government may determine the contract, by giving the Company in England 12 months' previous notice, on the 31st December 1921 of at the end of any succeeding 10th year. Government may also determine the contract at any time, on six months' notice, if the Company fails to fulfill its obligations or the line is worked at a loss for not less than three half years consecutively. On the determination of the contract the Company is to hand over to Government the railway and all its belongings of every description, on repayment of the amount of the par value of the share capital paid by the Company to Government

Power of Company to surrender contract -N11

Terms of working—After deducting worling expenses (which include any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 15 per mile of line open in each half-year, and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government for supervision) the net earnings to be applied in payment of—

- (1) Contribution due to the Provident Fund, calculited at one per cent of net earnings
- (2) The equivalent in ripees of interest paid on debenture capital, provided that if the Company's share capital is not less than inthe of the total capital expenditure, the rate of interest recovered under this sub-head (on debentures assued previous to the 30th June 1893) shall not exceed the rate for the time being applicable to the Company's share capital
- (3) The equivalent in rupees of guaranteed interest paid to the Company in respect of share capital, interest on the capital contributed or deemed to be contributed by Government, at the same rate as the guarantee for the time being on the Company's capital. But if the Government capital exceeds farths of the total capital expenditure for the time being, the rate of interest on the amount of the excess to be subject to agreement, and the residue is divisible between Government and the Company in the ratio of their respective capital expenditure

Rates and fares — Certain maxima and minima have been fixed within which the Company is permitted to vary its rates

Statistics of working-

| | TABLE | I | | | | 7 | Table II | |
|--------------------------------------|---|---|--|--------------------------------------|---|--|-------------------------------------|---|
| Calendar 3 car | Capital outlay to ond of each year | Gro s carnings | Not carnings | Per cent on capital outlay | Intorest | Gain or loss to the State | Carnings per mile per week | Proportion of expenses to earn- |
| | Re | Rs | Rq | | Rs | Rs | Rs | |
| 1891 1892 1893 1894 1895 | 1,53 203 30,16,133 1,07,63,192 2,46,89,898 4,01,33,298 | 2,14,426 | -8,017 | | 5,893 2,66,378 7,09,987 8,76,954 13,95,636 | -5,893 -2,66,378 -7,09,987 -8,76,354 -14,03,683 | 64 | 183 75 |
| 1896 1897 1898 1899 1900 | 5,21,8 ⁰ ,904 6,37,67,4 ⁰ 1 7,56,41,721 8,69,56,236 ⁰ ,56,01,772 | 6,18,785 9,90,640 13,08,124 16,19,646 17,09,955 | 33,238 72,214 54,551 7,22,701 3,61,364 | 0 06 0 11 0 07 0 37 0 38 | 23 73,034 22,56,279 24,45,275 28,63,034 33,31,390 | -23,39,796 -21,84,065 -23,90,724 -25,40 380 -29,67,026 | 71 63 86 75 75 | 94 68 92 71 95 83 80 08 78 69 |
| 1901 1902 1903 1904 1905 | 10,41,49,467 11,11,34,922 12,40 28,549 12,60 09 639 12,78,57,542 | 21,34,252 20,96,058 23 97,658 29,58,963 84,14,295 | 4,56,654 2,54,418 4,43,963 1,05 890 1,25,615 | 0 44 0 23 0 36 0 08 0 10 | 35,06,252 38,08,387 40,71,450 41,66,535 42,61,306 | -30,49,598 -35,53 969 -36,27,487 -40,61,145 -41,85,691 | 70 68 72 77 88 | 78 60 87 86 80 51 94 78 94 68 |

History of railways constructed and in progress [For Indox see page 106]

Number Main head 11 Sub heads (a) and (b)

ASSAM-BENGAL RAILWAY SYSTEM-concld.

11 (b) Noakhalı (Bengal) 1211way (3' 3\xi' gruge)—

Dotails of construction-

This line, which connects Luksam with Silieb Ghatta, is 31 90 miles long. Its construction vissinctioned in 1901 and it was opened in 1903

Permanent-way —The line is laid with 413-lb steel rails on 41 sleeper. I few jarrih wood sleepers are also in use

Ballast -The line is not ballasted

Fencing -The line is unfenced

Curves — There are no curves with a radius of less than 1,000 feet

Gradients -The ruling gradient is 1 in 200

Torms of contracts-

The Nouhhali (Bengal) rulway is worked under the following contracts -

Contract of-27th March 1901 [between the Secretary of State and the Noakhala (Bengal) Radway Company] for construction of the line

27th Much 1901 [between the Assam-Bengal Railway Company, and the North in (Bengal) Railway Company] for working the line.

The general conditions of the contracts are as follows -

Government and—If the net earnings in any hulf-year are her than Rs 30,000, Government allow as relate a sum not exceeding one half of the gross carnings of such half-year of the Assam-Bengal rulway from the interchanged traffic (except stores) as will, together with the net carnings of the Company, make up an amount equal to Rs 30,000 Land has been provided free of charge

Terms of contracts — The Company's share of stock capital is limited to £130,000, which cannot be increased without the sauction of the Secretary of State and of the working agency, but the Company can raise money at a reasonable rate of interest for bond fide temporary purposes

Currency of contract —The Secretary of State may, by giving notice and by paving to the Company in India the value of the rulway, works, plant, machinery and stores, determine the contract, if the Company fails to comply with its obligations under the contract. The Secretary of State may, by giving twelvo months' notice, determine the contract, either on the 31st December 1922 or on the 31st December in the list year of any subsequent period of ten years, on paying to the Company in India, within four calendar months from the time at which the contract should be determined, a sum equal to twenty-five times the average yearly not carnings during the three years immediately preceding, provided that the amount so payable shall not exceed by more than 20 per cent the bilance on the Capital Account of the Company or be less than such balince

Terms of working —The gross earmogs are to be applied in payment—

- (1) To the credit of the Provident Institution of the Assam Bengal rulway of a sum equal to one half of 1 per cent of the total gross causings,
- (2) Of Rs 25 per mile open per week of the now railway maintainable by the Company and of Rs 35 per mile open per week of the new rulway not maintainable by the Company, which includes any single atom of expenditure not exceeding Rs 1,000 classed as a 'Minor Worl,' subject to a maximum charge on such account of Rs 15 per mile of line open in each half year, and
- (3) Of all moneys paid or payable to the Secretary of State for the supervision of such milesge during such half-year the residue to be paid over to the Company as the net carnings of the railway

Rates and fures — The rates and fures to be fixed from time to time by the Secretary of State after consultation with the working agency, within the maxima and minima for the time being in force on the Assam-Bengal rulway

Statisties of working-

| | TAB | TABII II | | | | | | | |
|---------------|---|-------------------|-----------------|------------------------------------|--|-----------------|---|----------------------------------|------------------------------------|
| Calendar year | Capital outley to end of oach year | Gross earnings | Net errnings | Percontago on capital outles | Rebate from Assum Bengal rail way | Total income | Per cent of total income on cripital outly | Farnings per mile per week | Proportion of expenses to earnings |
| | Rs | Rs | Rs | | Rs | Rs | | Ps | |
| 1903 | 21,01,837 | 30,099 | 2,400 | 0 11 | 23 389 | 25,798 | 1 23 | 30 | 9 2 00 |
| 1904 | 21,59,851 | 55,840 | -3,232 | | 50,775 | 17,513 | 2 20 | 31 | 105 73 |
| 1903 | 21,35,528 | 68,493 | 1,666 | 0.08 | 56,055 | 57,721 | 2 71 | 38 | 97 37 |

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APPENDIX 38—contd

History of railways constructed and in progress [For Index see page 106]

Number Main head 12 \ Sub heads (a) & (b) BENGAL AND NORTH-WESTERN RAILWAY SYSTEM—

Lines comprising the system —The Bengal and North-Western failway system is made up of—

| | | Open line | or sanctioned for construction | Total |
|---|-------|---------------------------|-----------------------------------|-----------------------------|
| (a) Bengal and North Western railway (3' 33" gange) (b) Tirheot railway (3' 33 gauge) | | Miles 901°32 565 45 | Miles 117 77 212 17 | Males 1,019 09 777 62 |
| | Tetal | 1,466 77 | 329 94 | 1,796 71 |
| | | | | |

Running powers-

Home line over Poreign lines-Miles --- - D -1 "al (3 % gange) link, Oudh and Rehilkhand (State) railway for passenger and (3 % % gauge) link, Oudh and Rehilkhand (State) railway goods trains dh and Rehilkhand (State) railway 45 03 3 40 34 57 Cawapere Aishbagh t Daligaul to Benares Ca (i 8i Total 8481

12 (a) Bengal and North-Western railway proper (3' 32" gauge)-

Details of construction-

The total open mileage of the railway is 901 32 miles

This may be divided into (1) main line (Sonepore to Ajodhya) 237 10 miles, (2) loop line (Sonepore to Bunwarchak) 9 34 miles, and (3) branches, 654 58 miles. The construction of the main line was sanctioned in 1882 and it was opened through in 1885

Besides the above there are 117 77 miles under construction

Permanent-way — The main line between Sonepore and Burhwil is laid with 50-lb steel iails on sal sleepers. The rest of the line north of the Gogia is laid with 41\frac{1}{4}-lb steel rails mostly on sal sleepers. The Ganges-Gogra Doah lines, with the exception of the Aunribia-Phephina branch which is laid with 50 lb steel iails, is laid with 41\frac{1}{4}-lb. steel rails on sal sleepers, and are being rolaid with 50-lb steel rails

Ballast —The whole line, except quite new constructions, is ballasted with Lunkur or bioken brick Fencing —The main line is fenced

Curves -The sharpest curve is of 900 feet radius

Gradients -The fuling gradient is 1 in 300 On the various ghat lines the gradients are steeper

Terms of contracts-

The Bengal and North-Western and Turhoot railways are worked under the following contracts -Contracts of—12th December 1882—Bengal and North-Western Railway Company's principal contract 22nd February 1886—Contract modifying that of 1882

19th December 1894 —Contract supplemental to those of 1882 and 1886, providing for the Revelging,
Bahrunghat, Burhwal, Tulsipui, Kataman Ghat and Turtipui branches of the Company's rulway and for the exercise of running powers over the Cawnpore-Burlwal (3' 3\frac{3}{3}" g unge) link

23rd July 1896—Contract supplemental to those of 1882, 1886 and 1894, providing for the Gauges-

Gogra Doub lines of the Company's rulway, known as the Ganges-Gogra Doab contract

15th January 1903 - Supplemental contract for the Ghazipur Ballia, Azamgath Shahganj and Aunrihar-Jaunpur lines

24th April 1903 -- Supplemental contract regarding rate of exchange

14th December 1905 -Contract, supplemental to that of 1882, regarding the date on which the Secretary of State may exercise his right to purchase the Company's line and the record at which he may his the purchase price, and revising the terms on which the Tirhoot railway will continuo to be worked by the Bengal and North Western Rulway Company after the expiration, on the 31st December 1901, of the contract of 1890

The general conditions of the contracts are as follows

Government and -Land alone was provided free of charge

Currency of contracts—(1) Bengal and North-Western railway con'tacts—The contracts of 1882, 1886 and 1894, viz, those for the working of the Bengal and North-Wostern railway proper, terminate by effluxion of time on the 31st December 1981, when the line and all its appurtenances become the property of Government by payment to the Company of the value of the rolling stock, movable machinery, stores, etc. Government my, however, determine the contract on the 31st December 1912 or on the 31st December 1932, on one year's previous notice of intention to purchase, paying 25 times the weige net carnings (after deducting from such net earnings the share of surplus profits over 6 per cent to which Government would have been entitled under the contract of 12th December 1882) for the five years preceding the purchase Government may also determine the contract it any time, on six morths' notice, if the Company fails to observe its obligations, on paying the value of rolling stock, stores, etc., and fair value of line and fixed machinery and plant, less value of latter treated as a reversionary sum absolutely payable on the 31st December 1981

Ganges Gogra Doab contract -The contract of 1896, viz, that covering the Ganges-Gogra Doab lines, runs concurrently with those of 1882, 1886 and 1894, as does also the supplemental contract of 1903, but, in the event of Government exercising the right of purchase in 1912 or 1932, the amount to be prad is the actual outlay on the line, as shown in sterling, appearing in the capital account

NOTE -Government have relinquished their right to acquire the Company's line on the 31st December 1912, on the condition that they shall have the power to fix in 1912 the purchase price of the Bengal and North Western railway and to purchase the line at that price on the 31st December 1932

History of railways constructed and in progress [For Indox see page 106]

Number Main head 12 BENGAL AND NORTH-WESTERN RAILWAY SYSTEM—contd

12 (a) Bengal and North-Western 121 way proper (3' 38" gauge)—concld

Terms of contracts-concld

(3) Tirhoot railway contract—The contract of 1890, viz, that for worling the Tirhoot railway, terminated on the 31st December 1904, and the revised contract under which the rulway will continuo to be worked by the Company came into force on and from the 1st January 1905 and terminates on the 31st December 1932, subject to the provise that the Secretary of State may, if he should think it desirable, terminate it in 1919 or modify it at that date in such manner as he may think fit

Power of Company to surrender contracts -N1

Terms of working —The gross earnings of the State and Company's sections to be kept entirely separate

All charges for maintenance of way, works and stations, other than those for general supervision, to be allocated to each section on the basis of actual outlay on that section, all other working expenses being divided between the two sections in proportion to the gross earnings of each

4 per cent on respective outlay on "rolling stock," "steamers, barges and landing stages," "stores," "station, station machinery and staff quarters at Sonepore" for "joint use," and future expenditure on "workshops," shall be charged to working expenses and contribution to Provident Fund, for apportionment to the State and Company's sections, in the ratio of their respective gross earnings. This amount of interest to be credited to the respective Revenue Accounts in the ratio of contributions of capital to the joint accounts

Government to first receive out of Tirhoot inilway net eninings of each year 5 per cent. on all expital expended on the Tirhoot line open for traffic, including expenditure subsequent to 31st December 1904

The residue of net earnings to be dealt with as follows -

- (a) if the residue does not exceed ten lakks, 4 this to Government and 4 th to the Company,
- (b) if the residue exceeds 10 laklis, the sum of 10 laklis shall be divided as in condition (c) and the excess over 10 laklis shall belong 14ths to Government and 15th to the Company

Rates and fares —On the Company's section the Company may, with the approval of Government, fix rates and fares On the Tuhoot section certain maxima and minima have been fixed, within which the Company is permitted to vary rates

Statistics of working-

| | | | Table I | | | | Including the railway f | 10 Tirboet |
|--|---|--|---|---|---|---|---|---|
| Calendar year | Capital outlay to end of each year | to end of each Gross carnings carnings | | Paymonts received for worling the Tirhoot Raiway | received for rotal Percents on rincome capital cn | | Larnings per mile per weel | Proportion of expenses to earnings |
| | Rs | R_{8} | Ps | Ra | Rs | | Rs | |
| 1884 1885 1886 1887 1888 1889 1890 1891 1891 1892 1893 | 1 52 47 428 2 01 86 950 2 36,16 102 2 56 2 ,684 2,61,61,5°3 2 63,41 872 2,57,94 904 2 76,68 831 2,83,88 831 2,84,83,234 2 87,24 887 | 77,670 12,05,320 18,51,074 19,14,002 22,09,553 22,11,524 22,18,615 24,76,904 29,39,077 26,11,546 | on nonversion 15,550,9 16,351,860 16,35,265 | Information not 2.45.45.00 available 2.25.25.25.25.25.25.25.25.25.25.25.25.25 | -26 221 6,10,709 8 09,189 8 37,004 9,88,844 10,53 964 12,92,397 16,20 993 17,01,254 16,48,702 | \$ 03 3 43 3 27 3 78 4 00 4 86 5 87 5 49 5 79 6 15 | 20 72 106 90 102 103 121 121 120 123 | 133 76 49 32 56 36 56 94 55 25 52 35 44 08 40 04 41 12 43 20 |
| 1695 1896 1897 1898 | 3,12,95,704 3 43 36,114 4 10,32 207 4 66 73,822 | 25,71,036 26,26,033 27,55,718 33,31,890 | 16,8°,766 16,70,172 17,24 277 19,74,920 | 72,509 71,614 74,905 75,885 | 17,55,675 17,41,786 17,99 182 20,50,805 | 5 61 5 07 4 38 4 39 | 183 734 128 129 | 42 45 42 45 43 97 43 78 43 37 |
| 1899 1900 1901 1902 1903 | 5,16 06,763 5,24,73,019 5 50,91,830 5,84,82,525 6,21,09,547 | 43,44,861 44,56,593 53,66,794 55,60,238 61,98,433 | 26,70,911 24,79,493 30,97,372 29,72,183 38,53,972 | 61 940 49,563 76,853 76,671 1 04,369 | 27,3°,851 25,28,996 31,74,225 30,40 854 39,58,841 | 5 30 4 82 5 76 5 91 6 47 | 131 128 140 154 161 | 46 67 49 56 44 51 46 32 40 64 |
| 1904 1905 | 6,43,92,183 6,77,55,566 | 67,16,933 61,79,116 | 43,28,496 34,72,017 | 1,16,831 1,69,446 | 44 45,380 36,41,463 | 6 90 5 37 | 168 151 | 39 68 43 11 |

12 (b) Tirhoot railway (3' 3%" gauge)—

Details of construction-

The open mileage of this railway is 565 45 miles, consisting of (1) main line (Semaria Ghat to Bettiah and Samastipur to Khanwa Ghat), 242 58 miles, and (2) branches, 322 87 miles. First sanction to the construction of the main line was accorded in 1874, and it was opened throughout in 1890. Besides the above there are 212 17 miles under construction.

Permanent-way — The following types of rails are in use — 50 lb flat-footed steel, 411-lb flat-footed steel and 60-lb iron The sleepers are of sal, pyinkado, and east iron of Denham-Olpheits' pattern

Ballast - The line (except quite new constructions) is ballasted with Lunkur or broken brick.

Fencing -The main line is fenced with stone posts and 4 wires

Curves -The sharpest curve, which is on the main line, is of 1,500 feet radius.

History of railways constructed and in progress

[For Index see page 106]

Number Main head 12 BENGAL AND NORTH-WESTERN RAILWAY SYSTEM—concld

12 (b) Tirhoot railway (3' 33" gange) -concld

Dotails of construction-concld

Gradients —The ruling gradient is 1 in 300, except between Samastipur and Khanwa Ghat on which 3 42 miles are on a gradient of 1 in 200. On various river ghat lines the gradients are steeper

Torms of contracts-See under Bengal and North-Western rulway proper, 12 (a)

Statistics of working-

| | | | TA | вте І | | | | | TAB | re II | |
|--------------------------------------|--|---|--|--|---|---|---|---|-----------------------------------|---|-----------------------------------|
| Calen dar year | Canital outlay to end of each year | Gross earnings | Net carnings | Payment n ade to the Bengal and North West ern Pails ay Company for working the hine | Total meome | Percent age of total in come on apptil outlay | Intere t | Gun or loss to the State | l arnings per milo per weel | Proportion of expenses to oarnings | Prasees |
| 1875 | Re | Rs | Rs | Ive | Rs | | Rs | Rs | Rs | 107 62 | |
| 1676 1877 1678 1679 | 53,38,3^0 | 1,58,73 , | vailabl | raılıble | 1,07,819 | 2 02 | 2,37,111 | -1,29,192 | 71 77 103 113 | 68 67 69 85 75 34 76 49 | |
| 1650 1881 1682 1653 1684 | 5c 19,2~4 72 02,017 1,07 92 5 7 1 47,53,024 1,49,61,082 | 5,*1,068 5,81,25* 6,60 022 8,92 111 11,*0 072 | Information not availably | Information not available | 2,83,6 2 , (, 00 2 51 0 17 2, 9,70 2,66,582 | 1 16 2 29 2 36 1 96 1 79 | 2 r0 619 2,67,245 3,86 612 1 99 011 5,71,369 | -16,997 -31,015 -132,565 -2,59309 -3,07,787 | 102 110 186 103 105 | 56 10 59 57 61 50 70 90 77 60 | |
| 1685 1886 1887 1688 1889 | 1 44 47 916 1,54,73,549 1,97 49 195 2 (7,7,8,252 2,12,23 694 | 12,78 (81 11,931 33 17,239 5 18,07,287 18,06,67 | Infor | Infor | 9,50,000 5,01,189 6,0 25 7,9 ,875 9,78 216 | 2 19 125 3 5 2 3 6 3 4 61 | 5,80,19, 6,30,944 7,70,801 8,17,49, 8 11,932 | -22,026 -129,7,5 -64,076 -18,610 +1,56,314 | 98 109 122 123 122 | 71 90 66 56 59 62 55 80 48 42 | |
| 1890 1691 1693 1894 | 2 99 94,165 2 94 99,148 2 43 25 804 2 19 93 833 2,70,68 061 | 27,92,077 21,61,779 21,51,66 26,61,190 29,42,315 | 14,24,012 1 62 570 1101,975 10,80,081 | C9,184 670.0 6(,842 72,356 | 13,21,737 13,53,548 13,15,815 13,43 131 14,63,223 | 5 75 5 76 5 11 5 79 5 85 | ი 41,907 1,94 - 85 1,000 ს 10,01, 05 1 93,183 | + 2,50,500 + 4 19,16 1 + 3,05,790 + 3 11 928 + 4,61,635 | and Nort | with Bengal h Westorn | |
| 1695 1696 1897 1693 1693 | 2 56 02,012 2,60 78 65, 3,11,00 098 3 46 43,176 3,60,27,533 | 70,59,611 51,61,172 32,35,107 31,11,110 31,21,505 | 15 61,276 15 5: 944 10,29 812 16 67 0 .8 14,12 101 | 72 919 71 (14 74 905 75,885 61,910 | 14,59,707 14,8,330 15,4,907 15,91,153 13,80 161 | 581 570 500 159 163 | 10,18 018 11,77,521 10 34,830 13,14,764 14,62,608 | +3,70,354 +3,57,500 +116,277 +272,119 — 82,442 | | | |
| 1900 1901 1902 1903 | 1,30 15 210 4 (1,01,203 1 01 41 (00 5 08 63,468 | 36,47,197 43,16,760 4 ,50 632 56,72,952 | 15,00 413 22 55 00 24 55 201 31,02 619 | 19 563 76 853 70,671 1 01,369 | 1",16 = 0 21,94 >07 22,79 = 30 20,58,250 | 3 5 3 4 76 4 94 6 07 | 16 19,231 17,67,799 18,77,705 19,66,515 | -1,02,381 +4,31,008 +5,01,125 +11,01,735 | | | Includes Sa ganlı Raxanl |
| 190\$ 1905 | 5 64 95 479 6,21 36 962 | 62,6° 114 61,81,75% | 34 98 *67 35 57,425 | 1 11 862 1,09,116 | 33 83 705 37,87,977 | 5 99 5 45 | 21,48 021 23,54,*63 | +12 75 684 +10,33,414 | | | branch from 11th April 1904 |

Sagnuli Rayaul branch, before it was purchased by the State

| | Tobii I | | | | | | | | | | |
|---|---|---|--|------------------------------------|----------------------------------|--|--|--|--|--|--|
| Calendar year | Capital ontlay to end of each gross ournings Net earnings on capital outlay | | Farnings per mile per week | Proportion of expenses to oarnings | | | | | | | |
| 1896 1897 1898 | Re. 1 26 044 6,68 7e3 8 07,5 0 | Rs | Rs | | Rs | , | | | | | |
| 1890 1900 1901 1002 1903 1904 (up to 10th April) | 10,81,740 12 12 073 10 67,014 11 73 421 11 16 252 11,16,752 | 5,483 25,830 37,192 39,296 43,609 16,710 | Credited to interest on capital 13 593 18 571 10,114 | 1 27 1 74 1 66 0 91 | 30 80 40 43 51 74 | 40 00 52 62 63 44 52 57 57 61 46 03 | | | | | |

Number Main head 18 BENGAL DOOARS RAILWAY SYSTEM—

Linos comprising the system-The Bengal Dooars railway system is made up of-

(a) Bengal Decars railway (3' 7\frac{3}{2}" grupe)
(b) Bengal Decars railway extensions (3 3\frac{3}{2}" grupe)

Open line Miles 36 40 116 56 152 96

Tota1

The lines were constructed for opening out the Western Docars and for the development of the tea industry.

History of railways constructed and in progress [For Index see page 108]

Number Main head 13 BENGAL DOOARS RAILWAY SYSTEM—contd

13 (a) Bengal Dooars railway proper (3' 3?" gauge)-

Details of construction-

The total length of open mileage is 36 40 miles, divided into main line (Rast Bank Teesta to Dam, Dim), 31 miles and branch, 5 40 miles. Construction was sanctioned in 1891 and the line was opened through in 1893

Permanent-way — The line has been had with 414-lb flut-footed steel rails on sail eleepers

Ballast - The line is ballasted throughout with stone

Fencing -The line is unfenced

Carres -The sharpest curve is of 1,432 50 feet ridius

Gradients - The ruling gradient is 1 in 166

Torms of contracts-

The Bengal Doors railway and the extensions are worked under the following contracts -

Contracts of -27th April 1891 - Bengil Doors railway principal contract

2nd March 1898 - Contract supplemental to that of 1591 (for extensions)

27th September 1900 —Supplemental to that of 1898 (extending period of completion of Dam Dim-Bagrakote extension)

7th November 1901 —Supplemental to those of 1808 and 1909 (extending period for completion of Mal-M dan Hatextension)

The general conditions of the contracts are as follows —

Government and—Land free of cost from Government, and, from the District Board of Jalpaiguri, an annual subsidy of such amount not exceeding Ra 4,000 per annum as may be required to make up the net profits of the undertaking to five per cent per innum on the capital outlay

Currency of contracts—On the 31st December 1919, and thereafter at intervals of seven years, Government have power, by giving twelve months' previous notice, to terminate the contract and take over the line on payment to the Company in the ease of the Bengal Docars railway of one and two fifths of the invested capital and capital habilities, and in the case of the extensions of a sum equal to 25 times the average net earnings during the last preceding five years, but not exceeding by more than 20 per cent the capital expenditure and capital habilities of the Company and not less than the capital expended and the capital liabilities. If, at any period, the Bengal Docars rails is or the extensions should not be worked for six consecutive months, the Company can also be called upon to surrender the line and extensions on receipt of the actual sum expended up to the date of notice

Terms of working —If worked by the Company the whole of the profits go to the Company If worked by the Eastern Bengal (State) railway the Secretary of State retains each half-year 10 per cent of the gross earnings, the remaining 60 per cent being paid to the Company after deduction of income-tax payable to Government.

Rates and farcs-

Statistics of working-

Bengal Dooars railway and extensions from Malto Madarikat and Dair Dire to Bagrahote-

Certain maxima and minima have been fixed subject to alteration from time to time. If the gross receipts reach 12 per cent on capital, Government may reduce maxima to the extent of 25 per cent, except certain special rates

Extension from Barner Junction to Italianiri at-

Certain maxima and minima have been fixed within which charges can be made

| | | | Tini | e I | | | | TAT | a II |
|--------------------------------------|--|--|--|--------------------------------------|--------------------------------------|--|---|---------------------------------|---|
| Calondar 3 car | Capital outlay to end of each year | Gross carnings | Not | Percentage on espital outlay | Subsidy from District Board | | Percentage of total recome on capital outlay | Farmi ex per rule per week | Propertion of expenses to expenses |
| 1891 1892 1893 1894 1895 | Rs 16,479 12,67,626 18,49,691 22,84,324 23,26,476 | R ₃ - 1,14 912 2,05,286 3,5 4,537 | R 17,679 1,01271 1,27,188 | 712 1 57 5 48 | 1,020 1,000 | 77,690 1,11,11 1,21,459 | 7 12 673 5 65 | R4 69 1(4 125 | 19 80 49 20 49 71 |
| 1896 1897 1898 1899 1900 | 24,53,213 26,50,713 26,68,050 26,26,748 26,49,695 | 2,70,450 2,86,407 2,69,089 2,73,037 3,32,739 | 1,31,913 1,45,289 1,10,620 1,18,416 1,89,461 | 5 42 5 48 1 15 4 51 7 17 | 4 000 | 1,31,819 1,4*,289 1,14629 1,18416 1,69,461 | 5 13 5 18 4 80 1 51 7 17 | 1°6 145 137 177 168 | 61 26 49 27 57 40 55 41 43 06 |
| 1901 1902 1903 1904 | 26 44,873 26,50,697 26,95,547 26,64 642 27,26,891 | 3,10,920 2,73,940 8,09,965 3,45,277 3,70,543 | 1,76,897 1,71,455 2,23,786 2,56 651 2,49,598 | 667 6 17 8 70 9 63 9 15 | | 1,70 399 1,71,455 2,23 786 2,56 651 2,49,508 | 6 67 6 17 8 30 9 63 9 15 | 156 144 156 175 106 | 43-27 87-27 27-80 25-85 32-60 |

Bistory of railway constructed and in progress

[For Index see page 106]

Mun head 13 Number Sub heads (a) and (b) BENGAL DOOARS RAILWAY SYSTEM—could

13 (b) Bengal Dooars railway extensions (3' 3%" gauge)-

Details of construction-

The total open mileage of the extensions is 116 56 miles, comprised of (1) Eastern extension (Mal to Madarihat), 44 miles, (2) Southern extension (Barnes junction to Irilmanirhit), 65 80 miles, and (3) Western extension (Dam Dim to Bagrakote), 6 76 miles. The construction of the extensions was sanctioned in 1898 and they were opened in 1903, 1900 and 1902, respectively

Permanent-way —The line has been laid with 411-lb flat-footed steel ruls on sal sleepers

Ballast -The line is ballasted throughout with stone

Fencing —The line is nuferied

Curves —The sharpest curves is of 955 feet radius

Gradients -The ruling gradient of the Southern extension is 1 in 200 and that of the Eastern and Western exten-

Torms of contracts.—See under Bengal-Docars railway proper, 13 (a) Statistics of working-

| Тав | | TABLI | Table II | | | |
|--------------------------------------|---|---|--|----------------------------------|-------------------------------|------------------------------------|
| Calondar year | Capital outlay to oud of each year | Gross earnings | Vet carnings | Per cent ou capital outlas | Earnings per milo per week | Proportion of expenses to earnings |
| 1897 1898 1899 1900 1901 | Rs 72,151 4,03,611 26,70,455 47,11,632 62,26,067 | Rs 16,191 1,76 399 | Rs 5,015 68,937 | 0 11 1 11 | Rs 13 47 | |
| 1902 1903 1904 1905 | 72 66 166 79,30,172 84 97,571 87 92 060 | 2,59 634 3 47 8 12 4 15,179 5 12 143 | 86,266 1,05,916 1,08 680 1 97 824 | 1 19 1 34 1 28 2 25 | 62 71 68 85 | 65 99 69 55 73 85 61 39 |

Main head 14 BHAVNAGAR-GONDAL JUNAGAD-PORBANDAR RAILWAY SYSTEM-Number Sub heads (a) to (d)

Lines comprising the system —The Bhavnagar-Gondal-Junagad-Porbandar railway system is made up of-

| (a) Bhavnagar Goudal Junagad Porbundar railway (b) Dhrangadra railway (c) Jamnagar railway (d) Jetalsar-Rajkot railway | (3, 33, 2anto) (3, 33, 2anto) (3, 33, 2anto) | • | | Miles 334 19 20 83 51 22 46 21 |
|---|--|---|-------|--|
| | | | Total | 455 45 |

14 (a) Bhavnagar-Gondal-Junagad-Porbandar railway proper (3' 3%" gauge)-

This line was constructed by Government agency and is owned and worked by the Native States after which it is \mathbf{named}

Details of construction—

The line is 33119 miles long It consists of the following sections, (1) Bhavnagar to Wadhwan, 10003 miles, (2) Dhola to Poibandar Bandar, 15951 miles, and (3) Jetalsai to Verival Bandar, 6965 miles The construction of the first two sections was sanctioned in 1879 and they were opened through in 1880 and 1889, re-pectively The third section was sanctioned in 1886 and opened through in 1890

Permanent-way -The permanent-way con-ists of 411-lb flat-footed steel rails on ercosoted pine and deodar sleepers,

except on the Dhoran-Porbandar section where the rails are laid on steel pea-pod sleepers

Ballast -The line is ballasted with broken stone with the exception of the length between Chuda and Wadhwan which is ballasted with kunkur

Fencing — The line is practically unfenced Curies — The sharpest curve is of 1,200 feet radius

Gradients -The ruling gradient is 1 in 200, except on the Jetalsar-Veraval section where it is 1 in 150

Terms of contracts-

The Bhaynagar-Gondal Junagad-Porbandar railway system is worked under the following agreements -Agreements of-1st January 1897-For the management and working of the 'Integral railways" as one system by a Board of Control

1st June 1898—Dhiangadra rulway— 8th April 1897—Jamnagar iailway— 12th April 1893—Jetalsar-Rajkot railway

For management and working by the Bhavnagar-Gondal-Junagad-Porbandar Railway Administration

Onen Imo

The general conditions of the agreements are as follows -

Government and -N1

Terms of agreement—The whole system is worked by a Board of Control, consisting of one nominee of Government to be President, and one nominee from each of the proprietary States of Bha angar, Gondal, Junagad and Porbandar The existing lines owned by those States are separately and entirely described as the "Integral railways" and their combination is termed the "Offen system" The decisions of the Board of Control are based on the majority of votes recorded

History of railways constructed and in progress

[For Index see page 106]

Number Main head 14

Sub heads (a) to (d)

BHAVNAGAR-GONDAL-JUNAGAD-PORBANDAR RAILWAY SYSTEM-contd.

14 (a) Bhavnagar-Gondal-Junagad-Porbandar railway proper (3' 3%" gauge)-concld

Terms of contracts-concld

("Members' single votes" and "Proprietary votes") "Members' single votes" pievail at special meetings where each member has one vote, while "Proprietary votes," ie, votes revised annually on varying capital outlay, prevail at ordinary and extraordinary meetings

Currency of agreement —The term of the principal agreement for the working of the Bhaynagai-Gondal-Junagad-Porbandar rulway proper is from the 1st January 1897 to the "list December 1900" Until a new agreement has been adopted the terms of this agreement remain in force

Power of Board to determine agreement—By unmimous note the Board of Control can eined of modify any of the clauses of the igreement, and can also rescand or alter any resolution—no changes can otherwise be made until expiry of three months from date of passing such resolution—Any proprietary State can terminate the agreement after the 31st December 1900, subject to 12 months' notice at the beginning of the year.

Terms of working—Bhavingar-Gondal-Jungad-Poibandar railway—The carnings of the several integral railways belong wholly and exclusively to each integral railway, and, similarly, the Capital and Revenue exponditure is wholly borne by the same—All expenditure on the open system and on the integral railways as may require apportionment is divisible as prescribed in Appendix A to the agreement—The Bhavinagar State provides funds for working the whole system as well as for ordinary capital on the integral railways, all receipts of the entire open system being paid into the Bhavinagar State Treasury—All funds for major capital works are provided by the integral railway concerned, or by special arrangement with the Bhavinagar State Treasury—Lach integral railway is the sole proprietor of all works, buildings, etc., on its own length of line and is critical to 7½ per cent interest on the paid up value of all property in occupancy for open system purposes, to compensation for losses for works and buildings falling into disuse and to 7½ per cent per annum for any additional accommodation required by the open system

Dhrangadra railway— | plus actual exp Jamuagar railway— | supply solling : Jetalsar Rajkot sailway— | gadra railways

(The Board of Control work the rulways at 10 per cent of gross earnings of each lailway, plus actual expenditure incurred on the maintenance of way, works and stations, and supply colling stock at 5 per cent of gross carnings to the Jetalsar-Rajkot and Dhrangadra railways

Rates and fares—The maximum scale of rates and fares sanctioned by Government is applicable to the whole system, but rates and tares may be altered within this scale so as to accommodate them to the circumstances of traffic on any integral railway provided that such alteration be not prejudicial to the interests of any other integral railway

Statistics of working-

| | | TABLE I | | | | TAR | LE II. |
|------------------------------|---------------|---|--|--|--------------------------------------|-------------------------------|---|
| | Calendar year | Capital outlay to oud of each year | to oud of each cornings Per cent of | | | Earnings per mile per week | Proportion of expenses to earnings |
| 1879 1880 | | Rs 4 80,177 19,19,304 | Rs | m Rs | | Rs | |
| 1881 1883 1884 1685 | • | 74 46,353 86,75,711 90,49,232 12,92,040 96,25,031 | 6,88,38, 8,76,836 8,94,179 10,92,312 10,04,660 | 2,31,706 3,51,648 3,26,513 4,98,107 3,91,247 | 3 11 1 09 3 61 5 36 1 07 | 78 87 89 109 98 | 70 19 19 55 63 47 54 46 59 55 |
| 1886 | • | 98 57,553 | 9,65,379 | 1,15 149 | 1 21 | 96 | 57 00 |
| 1887 | | 1,08,28,023 | 9 60,837 | 4 42 103 | 4 08 | 98 | 54 93 |
| 1888 | | 1 70,68,663 | 11,20,260 | 5,06,545 | 3 88 | 109 | 50 58 |
| 1889 | | 1,62,60,477 | 13,80,417 | 7,04,177 | 4 33 | 97 | 56 55 |
| 1890 | | 1,68,42,051 | 15,71,788 | 6,00,267 | 8 56 | 91 | 61 81 |
| 1891 | : | 1,71 24 771 | 14,77,263 | 4,75,786 | 278 | 85 | 67 79 |
| 1892 | | 1,72 52,030 | 15,78,178 | 4,37,876 | 254 | 91 | 72 25 |
| 1893 | | 1,72,28 660 | 20,63,104 | 8,89,708 | 516 | 119 | 56 92 |
| 1894 | | 1,73 6-,592 | 18 40,287 | 7,91,335 | 456 | 106 | 49 61 |
| 1895 | | 1,76,00,032 | 19,52,221 | 8,21,220 | 467 | 113 | 57 93 |
| 1896 | • | 1,75 63,395 | 19,80,878 | 9,89,274 | 5 65 | 114 | 50 06 |
| 1897 | | 1,76,53,652 | 19,21,640 | 8,19,081 | 4 64 | 205 | 55 04 |
| 1898 | | 1,78,56 546 | 16,98,657 | 7,09,781 | 3 98 | 97 | 58 22 |
| 1899 | | 1 79 56 272 | 18,53,483 | 9,26,935 | 5 16 | 107 | 49 99 |
| 1900 | | 1,80,00,616 | 19,53,665 | 10,10,773 | 5 62 | 113 | 48 27 |
| 1901 | • • | 1,80,96,671 | 15,37,378 | 6,80,089 | 3 76 | 89 | 55 76 |
| 1902 | | 1,80,67,538 | 13,71,837 | 5,66,342 | 3 13 | 79 | 58 72 |
| 1903 | | 1,81,53,314 | 16,04,638 | 8,36,670 | 4 61 | 92 | 47 86 |
| 1904 | | 1,80,44,250 | 18 60,565 | 10,39,916 | 5 76 | 107 | 44 11 |
| 1905 | | 1,80,09,429 | 18,51,324 | 9,90,981 | 5 50 | 106 | 46 47 |

14 (b) Dhrangadra railway (3' 3's" gauge)—

This line was constructed for the Dhrangadra State by the Bhavnagar-Gondal-Junagad-Porbandar railway by which it is being worked

History of railways constructed and in progress.

[For Index see page 108]

Number Main head 14 BHAVNAGAR-GONDAL-JUNAGAD-PORBANDAR RAILWAY SYSTEM—contd.

14 (b) Dhrangadra railway (3' 3%" gauge)—concld

Details of construction-

1

The line is 20 83 miles long and connects Wadhwan with Dhrangadra. Its construction was sanctioned in 1897 and it was opened in 1898

Permanent way -The permanent-way consists of 414-lb flat-footed steel rails laid on deodar sleepers

Ballast -The ballast used is of broken hard sand-stone

Fencing -The line is unfenced

Curves -The sharpest curve is of 1,400 feet radius

Gradients.—The ruling gradient is 1 in 175

Terms of contracts—See under Bhavnagar-Gondal-Junagad-Porbandar railway proper, 14 (a).

Statistics of working-

| , | TABLE I | | | | | | | | | | |
|--------------------------------------|--|--|---|--------------------------------------|-------------------------------|---|--|--|--|--|--|
| Calondar year | Capital entlay to end of each year | Gross carnings | Net cirnings | Per cent on oxpital ontlay | Earnings per mile per week | Proportion of expenses to earnings. | | | | | |
| | Rs | $\mathbf{R}_{\mathbf{S}}$ | Rs | | Rs | | | | | | |
| 1897 1898 1899 1900 | 5 830 5,93,589 6,06,104 5,86,534 | 23 \$95 63 676 57,366 | 10,617 20,978 18,98 6 | 170 346 824 | 37 59 53 | 54 62 67 16 66 91 | | | | | |
| 1901 1902 1903 1904 1905 | 5,86,100 5,87,911 5 86 638 5,87,116 5,86,605 | 46,196 37 731 43 059 47,516 49,043 | 11 765 8,075 11 713 15,446 13 375 | 2 01 1 38 1 99 2 63 2 28 | 43 85 40 44 45 | 74 53 78 60 72 50 67 49 72 73 | | | | | |

14 (c) Jamnagar railway (3' 33" gauge)-

This line was constructed for the Navanagar State by the Bhavnagar-Gondal-Junagad-Porbandar railway by which it is being worked

Details of construction-

The railway is 54 22 miles long and connects Rajkot with Bedi Bandar Its construction was sanctioned in 1893 and it was opened in 1897

Permanent-way —The permanent-way consists of 414-lb flat-footed steel rails on creosoted pine and deodar eleepers

Ballast —The ballast used is of broken stone

Fencing —The line is unfenced except at the approaches to the Victoria bridge near Jamnagar and to the south of the Jamnagar station yard

Curves -The sharpest curve is of 1,000 feet radius

Gradients -The ruling gradient is 1 in 200

Terms of contracts-See under Bhavnagar-Gondal-Junagad-Porbandar railway proper, 14 (a)

Statistics of working-

| f | Table I | | | | | | | | | | | | Тав | te II |
|--------------------------------------|-----------------|---|---|---|--|-------------------|-----------------|----------------------------|---|--|--|--------------------------------------|----------------------------|---|
| | - Calendar year | | | | Capital ontlay to end of each year | Gross earmings | Net carnings | Per cent on capital ontlay | Earnings per milo per week | Proportion of exponses to carnings | | | | |
| | | | | | | | | | Rs | Rs | Rs. | | , Rs | |
| 1894 1895 • | • | | • | | | | | | 17,000 62,956 | | | *** | •• | • |
| 1896 1897 1898 1899 | | | | | | | • | | 14 91,727 22 50,538 23,18,496 23 08,558 23,09,481 | 84,476 1,02,945 1,26,323 1,49,153 | 28,954 31,782 51,540 59,540 | 1-29 1-37 2-23 2-58 | 41 36 63 53 | 65 73 69 12 59 20 60 00 |
| 1901 • 1902 • 1903 • 1904 • • 1905 • | • | • | : | • | • | : | • | • | 23,09 969 23,58,240 23 58,338 23 27,281 23,27,105 | 1,36 814 1,81 104 1,39,756 1,41 030 1,48,341 | 51,401 53,751 60 122 56,721 62,003 | 2 22 2 28 2 55 2 44 2 66 | 48 46 50 59 53 | 62-29 59 00 56 98 59 78 59 20 |

History of railways constructed and in progress

[For Index see page 106]

Main head 14 BHAVNAGAR-GONDAL-JUNAGAD PORBANDAR RAILWAY SYSTEM-concld. Number Sub heads (a) to (d)

14. (d) Jetalsar-Rajkot 1ailway (3' 33" gauge)-

This line was constructed for the Jetalsar Rajkot Railway Syndicate by the Bhavnagar-Gondal Junagad-Porbandar railway by which it is being worked

Details of construction-

This line is 46.21 miles long. Its construction was sanctioned in 1892 and it was opened in 1893.

Permanent-way—The permanent way consists of 414 lb flat footed steel rails on creosoted pine sleepers, except for five miles where the rails are laid on steel trough sleepers

Ballast —The ballast used is of broken stone

Fencing —The line is unfenced except between Rijkot Para and Rajkot Junction

Curves -Tho sharpest curve is of 955 feet ladius

Gradients — The ruling gradient is 1 in 200

Terms of contracts—See under Bhaynagai-Gondal-Jungad-Porbandar railway proper, 14 (a)

Statistics of working-

| | | TABLE I | | | | Таві | E II |
|--------------------------------------|---------------|---|--|--|--------------------------------------|-------------------------------|---|
| | Calendar year | Capital outlay to end of each year | Gross carnings | Net errnings | Per cent on capital outlay | Parnings per mile per week | Proportion of expenses to carnings |
| 1892 1893 1894 1895 | • | Rs 7,89,792 14 35 593 14,99,605 15,03,585 | Rs 1,03 006 1,55,556 1,83,338 | Bs 50 8º6 61,152 77,448 | 3 55 4 03 5 15 | Bs 59 65 76 | 50 59 60 68 57 76 |
| 1896 1897 1898 1899 1900 | | 15,29,265 15,47,463 15,78,017 15,63,208 15,74,082 | 1,97,116 2,05,253 1,78,911 1,93,927 2,02,718 | 81 238 81,720 76,057 78,726 86,211 | 5 51 5 47 4 82 4 97 5 49 | 82 85 74 45 84 | 57 26 58 72 57 50 60 43 57 47 |
| 1901 1902 1903 1904 1905 | | 15,74,003 15,78,583 15,78,658 15,78,655 15,80,207 | 1,76,388 1,44,917 1,66,404 1,88,439 1,91,1*5 | 67,251 54 485 63,230 69,248 71,832 | 4 27 3 15 4 01 4 39 4 74 | 73 60 69 78 80 | 61 87 62 25 62 00 63 25 60 83 |

Wain head 15 Number $\frac{a}{\text{Sub heads }(a) \& (b)}$ BURMA RAILWAYS SYSTEM-

Lines comprising the system.—The Burma railways system is made up of-

| | | Open line | or sanctioned for construction | Total |
|---|--------|-------------------|-----------------------------------|-----------------------------|
| (a) Burma railways (3' 32" gauge) (b) Burma railways extensions (3' 32" gauge) . | | Miles 1,340 15 | Miles 6 70 186 93 | Miles 1,346 85 186 93 |
| | I otal | 1,340 15 | 1°3 63 | 1,533 78 |

15 (a) Burma railways proper (3' 3\frac{3}{6}" gauge)-

The Burma Railways Company was formed in 1896 for the purpose of taking over the working of the then existing system of State railways (3' 3\secondary gauge) in Burma and extending it by the construction of other lines, particularly one from Mandalay to Kunlong. The railways taken over by the Company from Government on the 1st September 1896 comprised the following lines—Rangoon to Prome on the Irrawaddy river, Rangoon to Mandalay, and thence to the bank of the Irrawaddy, opposite Sagaing, and Signing to Mogaung, with an extension to Myithyina and a branch to Katha, whence there is communication by river with Bhamo Details of construction-

The open mileage of the Buima railways, 1,340 15 miles, consists of (1) Main line section, main line (Rangoon to Mandalay), 386 miles, branches, 81 60 miles, (2) Irrawaddy section (Rangoon to Prome), 161 miles, (3) Mu Valley section, main line (Sagaing to Myitkyina), 331 29 miles, branches, 91 46 miles, (4) Mandalay-Kunlong section (Myohaung to Lashio), 177 84 miles, and (5) Bassein-Henzada Letpadan section, 110 96 miles Of the above 23 80 miles are double line.

First sanction to the construction was given in 1874, and the first three sections were opened through in 1889, 1877 and 1898, respectively, and the last two scetions in 1903

Besides the above 6 70 miles were sanctioned for construction in 1905

Permanent-way — The rails in use on the system are 50-lb and 414-lb flat-footed steel are generally of teak, pyinma and pyinkado, the last named largely predominating The sleepers throughout

Ballast —The ballast used is either shingle or broken stone

Fencing -The main line (Rangoon to Mandalay) and the Iriawaddy line (Rangoon to Prome) are fenced. The Mu Valley line is generally unfenced, except at a few stations The Mandalay-Kunlong section is unfenced On the Bassem-Henzada line, the Bassein and Henzada station yaids are fenced and the work of fencing the whole length is now in progress

Curves —On the main line (Rangoon to Mandalay), the sharpest curve has a radius of 573 feet, on the Rangoon-Prome section of 1,146 feet The sharpest curves on the Bassein-Henzada, Lietpadan-Tharawaw, Meiktila-Myingyan and Sagaing-Alon branches have radii of 955, 1,432, 1,273 and 2,865 feet, respectively. On the Lashio branch the sharpest curve has a radius of 337 feet. On the Mu Valley line, the Katha branch and the Nankan-Mohnyin section the sharpest curve has a radius of 573 feet.

History of railways constructed and in progress [For Index see page 106]

Number Snb heads (a) and (b) BURMA RAILWAYS SYSTEM -concld

15 (a) Burma railways proper (3' 33" gauge)—concld

Details of construction-coreld

Gradients - The ruling gradient on the mun line is 1 in 200, uncompensated, on the Lishio branch it is 1 in 25, compensated, on the Mu Valley 1 in 60, uncompensated, on the Myingyan branch, 1 in 100, uncompensated, on the Sagaing-Alon branch, 1 in 150, uncompensated, and on the Katha branch, 1 in 50, compensated

Terms of contract-

The railways are worked under the following contract -

Contract of-9th March 1897 (between the Secretary of State and the Burma Railways Company) for transfer and management

The general conditions of the contract are as follows —

Government and -Interest is guaranteed at 21 per cent on the Company's share capital Land was provided free

Currency of contract —Government may determine the contract, after giving six months' notice, if the Company fails to perform its obligations, or if the undertaking be, in the opinion of the Secretary of State, in course of gross mismanagement by the Company, or if it be worked at a loss for three consecutive half-years. Government may also determine the contract on the 31st December 1921, or at the end of any succeeding tenth year, by giving twelve months' On the determination of the contract from any cause the Secretary of Stite is to repay to the Company previous notice

in sterling at par the capital raised by the latter

Power of Company to surrender contract—Nil

Terms of corling—After deducting working expenses (which may include any single item of capital expenditure not exceeding Rs 1,000 classed as a "Minor Work," subject to a maximum charge on such account of Rs 15 per mile of line open in each half-year, and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government for supervision) the net receipts in each half year are to be applied in payment to Government of-

(1) The equivalent of the interest pad for the half-year on any debentures issued by the Company,
(2) The equivalent of the guaranteed interest at 2½ per cent per annum on the Company's capital of £2,000,000, and of the interest payable on any additional share capital raised by the Company,
(3) The equivalent of interest 2½ per cent per annum on the sterling equivalent of the capital expenditure by Government on the railways up to the date of the transfer, and of interest on any additional moneys supplied by Government After payment of the interest above mentioned, any surplus which may remain unpild in a year ending on the 30th

June, to be divided between Government and the Company in the proportion of four-fifths to the former and one fifth to the latter

Rates and fares -Certain maxima and minima have been fixed within which the Company is permitted to vary rates Statisties of working-

| <u></u> | | | | | | TAI | SLE I | | | | | Тав | LE II |
|--------------------------------------|---|---------|---------|---|--|---|---|----------------------------------|---|--|--|----------------------------------|---|
| 4 | | Calenda | ır year | | Capital ontlay to end of each year | Gross earnings | Net carnings | Per cont on capital ontlay | Interest | Interest Company s share or net to the S carnings | | Carnings per mile per week | Proportion of expenses to earnings |
| | | | | | Rs | Rs | Rs | | Rs | Rs | Rs | Rs | |
| 1877 1878 | | | | | | | | | | | | 61 115 | 12936 93 03 |
| 1879 1880 1881 | | | | | 1,°2,86,597 1,25,87,319 1,36,51,993 | 9,55 918 13,22,710 15,43,622 | 1,41,743 5,21,085 6,45,077 | 1 14 4 14 4 73 | 5,47,438 5,62,831 5,86,310 | | -4 05,695 -41,246 +58,867 | 114 158 184 | 85 17 60 60 58 21 |
| 1882 1883 1884 1885 | | | | | 1,78,39,722 2,19,77,689 2,56,37,089 2,72,85,313 | 15,75,691 15,67,886 21,05 421 21,63,656 | 6,30,430 5,60,766 6,21,936 4,73,123 | 3 53 " 55 8 21 1 73 | 6,23 969 7,46 068 9,69,215 10,61,184 | | +6,461 -1,85,302 -1,47,279 -5,88,061 | 188 187 181 143 | 59 99 64 66 60 96 78 13 |
| 1886 1887 1858 1889 | • | • | | • | 2,88,52,604 3,66,52,817 4,68,73,677 5,12,49,158 | 26,57,955 33,24,263 33 76 218 46,90,263 | 9,41,149 15,59,703 12,71 960 15,73,5*2 | \$ 26 4 25 2 63 3 07 | 12,64,°42 13,15,249 18,18,560 20,17,224 | | -3,23 093 + ',43 054 -5,41,600 -4,4°,672 | 156 197 171 169 | 64 51 53 12 62 33 66 45 |
| 1890 1891 1892 1893 | • | • | | | 5 56 22,296 6 03 31 289 6 64 02,875 7,03,17,005 | 54,71,432 59,51,197 71,00 618 67,22,506 | 23,48,191 23,71,392 33,86,058 22,42,492 | 4 22 3 90 5 10 3 19 | 21,3 ,308 23,23,287 24,90,221 27,19,995 | | +2,1°,883 +48,105 +8,95,967 -1,77,503 | 210 199 237 178 | 57 08 59 50 52 31 66 64 |
| 1891 1895 1896 1897 | • | | | | 7,37 14 721 7 57,29 659 8 13 44 229 8,73,31,890 | 62,87,354 67,11,062 71,08,558 86,76,103 | £3,23,328 27 02,356 29,85,751 38,82,673 | 315 357 367 445 | 25,94,375 30,01,163 34,43,442 38,31,674 | 1,62,877 | -5,71,047 -2,9^,807 -4,57691 -3,11,978 | 164 169 107 188 | 63 05 59 73 60 76 55 25 |
| 1898 1899 1900 | • | | | | 9 24 93 509 10,11,17 617 11,33,96,635 | 89 91,451 88,25,724 1,10,29,947 | 37,83,593 95,78,407 48,91,824 | 4 10 3 54 4 43 | 39 49 899 32,35,209 33,19,026 | 1,61,076 1,24 994 3,47,606 | -3,22,452 -3 91,796 +6,98,192 | 184 179 195 | 57 97 59 45 55 62 |
| 1901 1902 1963 1904 1905 | • | • | | ; | 11 99,22,408 12 70,23 590 13,01 30 277 13 38 28 678 13,55,91,056 | 1 18,85,329 1 25 02,671 1,36 14 478 1,51 02 418 1,57,75,957 | 49,89,6*6 52,72,683 52,19 922 65 70,760 61,81,063 | 416 466 401 492 456 | 40,41,108 43,94,623 44,06 500 14 71,268 45,35,974 | 4,42,439 4,69,365 4,32,216 5 92 997 6,77,542 | +5,06,109 +4,08,495 +3,80 576 +15 06 495 +9,67,547 | 197 203 197 216 226 | 58 02 57 83 61 66 56 19 60 82 |

15 (b) Burma railways extensions (3' 3\\$" gauge)-Details of construction-

There are two lines under construction, viz, (1) Pegu to Martaban, 121 27 miles long, which was sanctioned in 1903; and (2) Henzada to Kyangin, 65.66 miles long, sanctioned in 1904

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 16 DEO

DEOGHUR RAILWAY (3' 33" gauge)-

Dotails of construction-

This line connects Deoghur with Baidyanath, a station on the East Indian Railway, and is 4.79 miles long. It was sanctioned in 1881 and opened in 1882

Permanent-way - The permanent-way is laid with 36-lb steel rails on wooden sleepers

Ballast -The line is ballasted throughout

Fencing -The line is unfenced

Curves.—The sharpest curve has a radius of 2,640 feet

Gradients -The ruling gradient is 1 in 60

Torms of contract-

The railway is worked under the following contract -

Contract of-12th July 1983 (between the Secretary of State and the Deoghur Railway Company) for construction, maintenance and working

The general conditions of the contract are as follows —

Government and -Land alone was provided free of charge

Terms of contract—Messrs Burn & Co constructed the railway with capital raised locally and without any guarantee Currency of contract—Government may, after giving six months notice, determine the contract, and take over the railway at a valuation based on the earnings for the two years immediately previous to such resumption, if the Company fails to perform its obligations—Government may also, by giving 12 months' notice, determine the contract and take over the railway at a valuation calculated at the average market rate of the shares during the previous three years, together with bonus not exceeding 20 per cent of such value, after the railway has been opened for traffic for 30 years, and thereafter at terms of 10 years

Rates and fares—Certain maxima have been fixed within which the Company is permitted to vary rates Statistics of working—

| T | BLE I. | | TABI | E II. | | |
|----------------------|---|----------------------------------|--------------------------------|----------------------------|-------------------------------|------------------------------------|
| Calendar year | Capital outlay to end of oach year | Gross earnings | Net carnings | Per cent on capital outlay | Earnings por mile per week | Proportion of expenses to earnings |
| 1883 1881 1885 | Rs 2,73,331 2,75,000 2,75,000 | Rs 19 639 23,735 23,987 | Rs 6,212 10,701 9,908 | 2 28 3 90 3 60 | Rs 79 83 88 | 68 00 54 90 58 69 |
| 1896 | 2,75,042 | 25,017 | 11,743 | 4 27 | 1, 100 | 53 06 |
| 1887 | 2,75,013 | 24 532 | 12,108 | 4 40 | 98 | 50 64 |
| 1888 | 2,81,180 | 25,612 | 11,521 | 4 10 | 104 | 55 37 |
| 1889 | 2,92,876 | 28,533 | 12,695 | 4 49 | 115 | 55 51 |
| 1890 | 2,82,616 | 26 095 | 10,915 | 3 86 | 105 | 58 17 |
| 1891 | 2,82,752 | 31,365 | 15,429 | 5 46 | 125 | 50 49 |
| 1892 | 2,88,329 | 26,964 | 9,707 | 3 37 | 108 | 61 00 |
| 1893 | 2,87,364 | 37,809 | 19 103 | 6 65 | 152 | 49 47 |
| 1894 | 2,87,526 | 29,425 | 9,659 | 3 36 | 118 | 67 17 |
| 1695 | 2,88,086 | 33,611 | 15,308 | 5 31 | 130 | 51 46 |
| 1996 | 2,87,797 | 30,014 | 11,493 | 1 00 | 120 | 61 69 |
| 1897 | 2,87,942 | 30,320 | 11,152 | 3 87 | 122 | 63 22 |
| 1898 | 2,68,453 | 32,100 | 6,601 | 2 28 | 129 | 79 44 |
| 1899 | 2,87,525 | 33,262 | 6,678 | 2 32 | 134 | 79 94 |
| 1900 | 2,87,379 | 34,900 | 7,376 | 2 56 | 140 | 78 87 |
| 1901 | 2,85,265 | 48 293 | 18,616 | 6 53 | 194 | 61 45 |
| 1902 | 3,01,057 | 29,758 | 6,025 | 2 00 | 120 | 79 75 |
| 1903 | 9,01,057 | 40,458 | 10,622 | 3 53 | 162 | 73 75 |
| 1904 | 3,01,057 | 46 635 | 14,701 | 4 88 | 187 | 68 48 |
| 1905 | 3,24,441 | 45,397 | 13,582 | 4 19 | 182 | 70 08 |

Number Main head 17 DIBRU-SADIYA RAILWAY SYSTEM—

Lines comprising the system —The Dibru-Sadiya railway system is made up of—

| | | Open line | Under construction or sanctioned for | Total |
|---|-------|---------------|---|---------------|
| | | Miles | construction Miles | Miles. |
| (a) Dibra Sadiya railway (3' 3\frac{3}" gauge) (b) Ledo and Tikak Margherita Colliery railway (3' 3\frac{3}" gauge) | | 77 50 8 50 | 8 50 | 86 00 8 50 |
| • | Total | 86 00 | 8 50 | 94 50 |

17. (a) Dibru-Sadiya railway proper (3' 33" gauge)-

Details of construction-

This line is 77 50 miles long and may be divided into main line (Dibrugarh to Dihing Bridge), 61.50 miles, and the Talap branch, 16 miles. Its construction was sanctioned in 1881 and it was opened through in 1885.

There were 8 50 miles sanctioned for construction in 1905.

History of railways constructed and in progress [For Index see page 106]

Number Main head 17 DIBRU SADIYA RAILWAY SYSTEM—contid

17 (a) Dibru-Sadiya railway proper (3' 33" gauge)-concld

Details of construction - coreld

Permanent-way —The line is laid with 41½-lb and 50 lb flat footed steel rails —The sleepeis are unam and cast iron plate of the Denhim Olpheits' type

Ballast -The line is partially billasted with broken stone.

Fencing -The line is unfenced, with the exception of a short length at Dibingarh

Curves -The slarpest curve is of 700 feet radius.

Gradients - The ruling gradient is 1 in 150

Terms of contracts-

The failway is worked under the following contracts -

Contracts of -26th May 1880 (between the Secretary of State and the Assam Railway Company) for maintenance and working

25th July 1891-Contract modifying that of 1880

The general conditions of the contracts are as follows -

Government and—Government guaranteed the payment of a subsidy, not exceeding in any year Rs 80,000 twelve months after the opening of the main line or after each succeeding twelve months until the end of twenty years after opening, equal, togother with the net earnings of the main line, to 5 per cent of the paid up capital of the main line. Government similarly guaranteed a subsidy for the Makum branch, not exceeding Rs 20,000 in any year. The payment of guarantee terminated on the 30th June 1903. The free use of public roads is also provided for

Currency of contract —If the Company fails to fulfil its obligations, within thirty days after notice, Government can take possession and execute all repurs and works for the efficient working of the railway. Government may determine the contract, on giving 12 months' notice (clause 19 of contract, dited 26th May 180), at the exprise of the years after date of opening, and at subsequent intervals of the years, by paying twenty per cent in excess of the value of the Company's property

Nore—The Company having waved all its rights under clause 7 of contract dated 25th July 1881 to construct railways within the Lakhimpur District, Gevernment have waved their right to purchase the railway before 1921, or at intervals of 10 years thereafter (Scoretary of State & letter No P W -731, dated the 25rd December 1991)

Power of Company to surrender contract -Nil

Terms of working —The Company to maintain the railway and the road on which the rails are laid and the rolling stock and other equipments to the satisfaction of the Secretary of State and to early on the work of common earliers

Rates and fares—These were subject to approval by Government from time to time while subsidy was phyable. If the not profits exercid 12 per cent of paid up capital, Government may order such reduction of traiff and rates as may be considered necessary, such reduction not lessening the net profits below 12 per cent.

| | _ | | Table I. | | | | | Тав | LE II | |
|--|---|---|---|--------------------------------------|--|--|--|-----------------------------------|---|--|
| Calendar year | Capital outly to end of each year | Gross earnings | Net earnings | Percentage on capital outly | Sabsidy from local Govora ment | Total income | Percentage of total income on capital ontlay | l arnings per milo per week | Proportion of expenses t earnings | Remarks |
| 1883 / 1884 1885 . | R4 22 24 23 40 6 , 85 49 46 (29 | R3 45,720 2 06 1.03 9,07,335 | R ₇ -35,375 -65 1 6 -63,861 | | Rs 54,55 54,500 | R ₉ -8,375 -138,6 -9,361 | | Rs 52 67 62 | 171 70 13, 61 123 03 | |
| 1686 1687 1898 1680 1890 | 49 73 753 53 72 60 1 53, 3 14 1 57,06 682 | 7,4 ,470 4,01,028 4,25,5 10 4,61,018 5,14,266 | 53,151 1,0 ² ,740 1,01 709 1,25,117 1,76 900 | 1 07 1 72 1 89 2 27 3 10 | 51,751 7,00 000 1 00 911 7,0 00 1,00,000 | 1 07,809 2,0°,540 2,0°,759 2,23,147 2 76,960 | 2 17 3 80 3 7 ; 4 08 4 85 | 81 91 105 114 127 | 8065 7468 7609 7426 6559 | |
| 1891 • 1892 1897 1894 1895 | 67 05 474 6) 56,304 71 70 62 70 97 187 74 02,729 | 4,98,682 5,13,213 5 12 (98 5,31 (45 6,01,112 | 1,70,526 1,63 719 1 2 972 1,97,732 2,69,543 | 2 51 2 °5 2 13 2 70 8 64 | 1,02,00 + 1,00,00 + 0,00 + 0,00 + 0,00 + 1,00 + 0,00 + 1,00 + 0,00 | 2,70 52; 2 63 710 2 52 972 2 9 7 7 11 3,69,543 | 4 03 8 79 3 n3 4 17 4 09 | 123 127 127 133 140 | 65 80 63 10 70 13 63 18 55 16 | |
| 1896 1697 1693 1699 1990 | 74,01,106 74,20,110 74,41,174 74,51,163 77,14,040 | 6 47 360 7 4,189 7 81 415 8,59 414 9,00,817 | 3 12 286 2 64 750 2,82 478 4 49 683 4,62,381 | 4 22 3 .7 3 80 6 03 5 99 | 1 (0 000 1,00 0nn 40 000 27,978 | 4 12 23 3 64 7 0 3 32 473 4,8, 666 4,62,381 | 5 57 4 93 4 33 6 54 5 99 | 161 192 194 213 224 | 51 76 68 12 63 85 47 68 48 67 | The amount shown as sub |
| 1901 1902 1903 1904 1905 | 82,00,747 62 00 694 82 32 530 87 01,57 67,31,147 | 9,28 578 8,51 680 9 1: 777 9 48 473 9, 4 293 | 4,77,907 4,11,187 4 57 974 4,31,317 4,32 0.3 | 577 501 5 56 4 84 4 95 | , , | 4 73 907 4,11,187 4 57 971 4 91 717 4,32 053 | 57 501 550 481 495 | 230 211 227 235 237 | 49 03 51 75 50 05 5, 58 54 73 | sidy ree ived during 1299 was due for a previous pe r od |

History of railways constructed and in progress.

[For Index see page 106]

Number Sub heads (a) and (b)

DIBRU-SADIYA RAILWAY SYSTEM-concld.

17. (b) Ledo and Tikak-Margherita Colliery railway (3' 33" gauge) -

The line was used originally only for the purposes of bringing coal from the mines on the south bank of the Dibing river to the Dibru-Sadiya railway It was constituted a railway and its working was taken over by the Dibru-Sadiya railway from the 1st January 1897

Details of construction-

The line is 8 50 miles long, viz, main line (Dilling bridge to Ledo) 5 50 miles, and branch (Margherita to Namdang) 3 miles. The main line was opened in 1884 and the branch in 1901

Permanent way -The line is laid with 50-lb flat footed steel rails on uriam sleepers

Ballast -The main line is three-fourths ballasted with broken stone, but the Namdang branch is unballasted.

Fencing -The line is unfenced

Curves -The sharpest curve is of 800 feet radius

Gradients -The ruling gradient is 1 in 100.

Terms of contract-

The railway is worked under the following contract -

Contract of—30th July 1881, between the Sceretary of State and the Assam Railways and Trading Company, for coal and iron mining in the Makum coal fields and for the construction of a railway or tramway to effect a junction with the iailways which may be constructed to the bank of the Dihing river.

Terms-Contained in Government of India, Public Works Department, No 623 R. T, dated the 6th August 1896.

The general conditions are as follows -

Government and -Nil

Currency of contract—The coal concession is for a term of 20 years from 30th July 1881 within an area of 30 square miles, and for a further term of 30 years within an area of at least 4 square miles.

Power of Company to surrender contract -Nil

Terms of worling —The colliery to be charged with the cost of maintenance of the branch and sidings owned by it and 5 per cent of its gross earnings for the use of rolling stock, all other charges for working the open line to be divided between the railway and colliery in proportion to their respective gross earnings

Rates and fares - Certain rates and fares have been sanotioned by Government

Statistics of working-

| TAI | LE I | | | | TABI | e II, |
|---------------|--|---|---|--|----------------------------------|--|
| Calendar year | Capital outlay to end of each year | Gross carnings | Not carmings | Por cent on capital outlay | Earnings per mile per week | Propertion of expenses to earnings |
| 1897 | R ₃ 11,46,240 12,00,698 12,63,416 12,64,375 16,30,162 16,53,445 16,62 082 | R ₈ 45,871 55,313 63,684 65,724 70,293 58, 59 59,077 | Rs - 8,024 - 3,752 - 22,053 - 17,931 - 11,145 - 437 - 8,208 | 0 70 0 31 1 72 1 40 0 68 0 03 | Rs 83 142 162 1C9 123 102 103 | 82 51 93 29 65 04 72 64 84 15 99 25 113 89 |
| 1904 | 16,62,088 16,78,156 | 59,077 56,108 59,489 | 13,158 27,210 | 0 79 1 62 | 120 127 | 76 55 54 22 |

Number $\frac{\text{Main head 18}}{\text{Sub heads (a) to (c)}}$

JODHPUR-BIKANER RAILWAY SYSTEM-

Lines comprising the system -The Jodhpur-Bilaner railway system is made up of-

| (a) Jodhpur Bikanor (Jodhpur scotion) (3' 3½" gaugo) (b) Jodhpur Bikanor (Bikanor scotion) (3' 3½" gauge) (c) Jodhpur Hyderabad railway (Britity scotion) (3' 3½" gaugo) | • | • | • | : | M1los 463 89 245 35 123 98 |
|--|---|---|---|-------|-------------------------------------|
| | | | | Total | 833 22 |

Open line

History of railways constructed and in progress [For Index see page 108]

Number Main head 18 bub heads (a) to (c)

JODHPUR-BIKANER RAILWAY SYSTEM-contd

18. (a) Jodhpur-Bikaner (Jodhpur section) (3 33" gauge)-

Details of construction-

The open mileage of the section is 463 89 miles
was opened through to the British frontier in 1900

The Merta city branch was opened in 1905

Permanent-way — The line is laid with 36 lb, 414-lb and 50-lb flat-footed steel rails. There are also some 36-lb iron rails in the Merta city branch. The sleepers are steel trough, deodar and pine

Ballast -On the greater portion of the line the ballast consists of coarse sand, kunkui and broken stone

Fencing -With the exception of a few stations, the line is unfenced

Curves -There are no curves with a radius of less than 1,000 feet

Gradients -The ruling gradient is 1 in 150.

Terms of contracts-

The railway is worked under the following contracts -

Contracts of—13th July 1889 \ (between the Government of India and the Jodhpur and Bikaner Durbars) for 30th July 1889 \ (constructing and working the line

The general conditions of the contracts are as follows -

Government and -The line is the exclusive property of the two Durbars

Currency of contracts -These contracts may be modified at any time by mutual consent

Terms of working - Each Durbar to receive all the profits of the section of line bolonging to that Durbar

Rates and fares —No provision was made for rates and fares in the contracts, but certain rates and fares were approved by executive order

Statistics of working-

| | TAB | LE I | | | | TABL | E II |
|--------------------------------------|---------------|---|---|--|--|-------------------------------|---|
| | Calendar year | Capital outlay to end of each year | Gross earnings | Net earnings | Per cent on eapital outlay | Larnings per mile per week | Proportion of expouses to earnings |
| 1593 1691 1695 1896 1887 | : | Rs 4,99,866 8,99,995 15,40,335 21,22,593 22,81,433 | Rs 40,361 64,262 1,70,691 2,05,728 3,18,703 | Rs 23,110 31,748 1,12,505 1,33,318 1,91,677 | 4 62 3 92 7 30 6 23 8 40 | 54 | 42 74 50 59 34 30 35 20 39 86 |
| 1858 1659 1690 1891 1892 | : . | 22 80,006 22,73,978 22,71 338 41,87,110 60,99,552 | 3,60,803 3,59,358 3,70,825 6,12,839 9,16,980 | 1,91,558 1,92,258 1,96,192 3 34,364 5,28,941 | 8 40 8 45 8 63 7 99 8 73 | 56 58 66 | 46-91 46 50 47 09 45 41 44 14 |
| 1893 1891 1895 1896 1897 | | 64,74,611 64,49,374 64,32,934 61,78,328 74,90,176 | 8,31,765 10,81,156 9,74,738 11,61,465 11,22,658 | 4 33,995 6,69,873 5,69,246 7,38,273 7,41,799 | 6 70 10 38 8 85 11 40 9 94 | 65 58 70 | 47 83 88 09 41 60 36 60 33 66 |
| 1898 1899 1900 1901 1902 | : . | 1,00,8°,594 1,13,42,183 1,14,23,508 1,17,24,696 1,18,69,424 | 12,22,726 19,09,097 16,28 478 15,67,073 16,76,216 | 7,30,956 11,66,844 9 07,480 7,14,826 8,35,202 | 7 25 10 29 7 94 6 10 7 04 | 73 102 81 66 71 | 42 22 38 88 44 27 54 39 50 17 |
| 1903 1904 1905 | • | 1,19,31,439 1,21,90,840 1,22,63,774 | 16,34,708 16 87,624 19,16,254 | 8,91,196 9,58,365 11,01,294 | 7 47 7 86 8 98 | 71 | 45 48 43 21 42 53 |

18 (b) Jodhpur-Bikanei (Bikaner section) (3' 3\frac{3}{3}" gauge)— Details of construction—

The section is 245 35 miles long Its construction was first sanctioned in 1890 and it was opened through to Bhatinda in 1902

Permanent-way —The permanent-way consists of 36-lb flat-footed steel rails on steel trough and deodar sleepers

Ballast — The ballast consists of coarse sand and small kankur, except on the Suratgarh-Bhatinda section where it is broken brick and kunkur

Fencing -The line is unfenced, except at a few stations

Curves. There are no curves with a radius of less than 1,000 feet.

Gradients - The ruling gradient is 1 in 150

Terms of contracts-

See under Jodhpur section, 18 (a)

History of railways constructed and in progress. [For Index see page 106]

Main bead 18 and hoads (a) to (c) . JODHPUR-BIKANER RAILWAY SYSTEM—concld. Number

18 (b) Jodhpur-Bikaner (Bikaner section) (3' 3%" gruge)—concld

Statistics of working-

| | TABLE | I. | | | | Таві | .E 11 |
|--|---------------|--|---|---|--|--|--|
| | Calendar year | Capital ontlay to end of each year | Gross carnings | Net carnings | Per cent en cipital outlay | l arnings 1 er milo por wock | Proportion of oxpenses to earnings |
| 1890 1891 1892 1893 1894 1895 1896 1897 1893 1899 1900 1901 1902 1903 1904 1905 | | Rs 4,15 500 14 32,766 9 18 622 9 65 7.1 9,69,407 9,71,031 9 71,203 23 14 152 23,61,017 82 60 432 48, 535 52 40 538 5 50,08,519 51,72,406 | Rs 5,189 76,51, 66,725 80,271 86,327 1,17,010 1,77,172 1,71,539 1,92,338 2,46,875 3,24,627 7,21,001 8,83,102 | Rs 2,724 24 904 25,735 40,447 45 996 75,894 77 516 1,01,314 1,01 962 1,05,697 1 12,581 2 66,197 4,05,677 5,62,383 | 0 19 2 63 2 06 4 17 4 64 7 7; 8 35 3 60 8 32 2 16 2 72 5 19 7 96 | Rs 36 34 30 35 33 37 43 3 30 41 577 69 | 46 99 67 47 61 43 49 61 47 89 37 56 44 02 45 43 47 45 47 45 47 47 47 47 47 47 47 47 47 47 47 47 47 |

18 (c) Jodhpur-Hyderabad (British section) (3' 38" gauge)-

Details of construction-

The line connects Hyderibad (Sind) with the Jodhpur system and is 123 98 miles long. Its construction was first sanctioned in 1891 and it was opened through in 1900

Permanent way — The section is laid with 60 lb iron, and 50-lb and 41½-lb flat-footed steel rails on deodar and Denham-Olpherts' cast-iron sleepers

Ballast -The billist is of kunkur, stone and broken brick.

Fencing — With the exception of a few stations, the line is unferred. Curves — There are no curves with a radius of less than 1,000 feet

Gradients -The ruling gradient is 1 in 100.

Terms of contract-

The inlway is worked under the following agreement -

Agreement of -22nd December 1900 (between the Government of India and His Highness the Maharaja of Jodhpur and the Council of Regency, Bikanei) for the construction of 11 ulwiy, on the o' 3 to gauge, from Bilotia to Hyderabad and for working the section from the Jodhpur Picniter to Hyderabad

The general conditions of the agreement are as follows -

Currency of agreement —As regards the working of the rulway, this agreement remains in force until determined by either party, on 12 months' notice on the 1st day of Jinuary or the 1st day of Jinuary in any year

Terms of working -Working expenses, excluding maintenance, are availed between the British and Native State sections in the latio of the gloss carnings of each section Maintenance charges to be actual cost for each section of line

Rates and fares -- Maximum and minimum rates and fares and the classification in faree on the North Western (State) railway from time to time to be in force on the British section

Note - Gevernment of India in letter No 255 R T, dated the 6th Merch 1000 approved of the Rajputana Valva railway classification of goods which is in force on the Native State section being adopted on the British section the stipulation in agreement requiring the adoption of the North Western (State) initway classification remaining unaltered in called it may be considered desirable to enforce it hereafter

| | sties of working— | | | | | | τ | | |
|--|-------------------|---|--|---|---|---|-------------------------------------|--|---|
| | Calendar year | Capital Gro to end earnir of ouch year | | Per cent on dipital | Interest. | Gain or loss to the State | Earn ngs per mile per week | Proportion of expenses to earnings | Remarks |
| 1891 1892 1893 1×94 1895 1896 1897 1818 1609 1900 | | 10,61,691 1,31 17,27,619 1,46 17,71,095 1,68 18,00,799 1,88 18,37,7,6 2,01 20,19,7-2 2,22 93,18,918 2,2 41,71,100 1,98 | 3 206 | 0 99 2 03 2 63 3 57 3 13 3 147 2 61 1 10 | Rs 5,356 59,619 60,767 63,910 71,080 71,120 73,512 77,513 1,07,380 1,73,984 | Rs —5,356 —61,98 —49,296 —32,673 —21,171 —7,014 —14,150 —7,394 —18,917 —1,13,051 | Rs 29 43 47 55 61 67 73 74 65 | 105 87 87 41 55 17 72 28 65 67 71 04 68 19 60 73 65 93 | The figures of capital cutlay in 1900 include the outlayion the Hyde abad Rabeki stoten The gain to the state in 1901 was did to the conpliction of the line |
| 7901 1902 7903 7904 2905 | | 40,45,972 5 0 40,45,938 5,8 39,58,081 6.4 | 4 907 1,73,567 4 008 2,18,914 4 094 2,62,979 8,729 3 15 006 3,939 3,69 002 | 4 47 5 41 6 49 8 2 9 80 | 1,52,4'9 1,59'771 1,'0,179 1 54 846 1,58,622 | +21 133 +50,043 +1,02,200 +1,90 160 +2,10,380 | 66 78 91 101 112 | 50 00 56 59 55 09 46 82 49 03 | which was pro viously only par tially open |

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 19 MORVI RAILWAY (3' 8," and 2' 6" gauges)—

The 2' 6" gauge connection between Wadhwan and Rajkot by this railway has been converted to the 3' 32" gauge—trom Wadhwan to Thal, 31 34 miles, on a new alignment and onwards to Rajkot, 42 60 miles, on the origina alignment with a few unimportant diversions. The line between Vankaner and Morvi has been retained on the 2' 6' gauge

Details of construction-

The line is 89 64 miles long, divided into the 3' 3\cdot\sigma}" gauge section (Wadhwin to Rajkot), 73 94 miles and the 2' 6" gauge section (Vinkanei to Moii), 15 70 miles. The construction of the 3' 3\cdot\sigma}" gauge section was sanctioned in 1902 and this section was opened in 1905. The construction of the 2' 6' gauge section was sanctioned in 1883 and it was opened in 1887.

There were 2.75 miles sanctioned for construction in 1905.

Permanent-way — The permanent way on the 3'33" gauge section consists of 414-lb flat-footed steel rails on half-round teak and ercosoted pine sleepers, and that on the 2'6" gauge section consists of 29-lb flat footed steel rails on crossoted pine sleepers.

Ballast - The line is ballisted with moorum (disintegrated) trap

Fencing -The line is unfeneed

Curves —The sharpest curve on the 3' 3%" gauge is of 950 feet radius, and that on the 2' 6" gauge is of 300 feet radius

Gradients -The ruling gradient is 1 in 150 on both gauges

Terms of contract-

The Morvi railway is owned by His Highness the Thakore Sahib of Morvi, and is under his control

Statistics of working-

| TABLE | 1 | | | | Table II | | |
|---|--|---|---|---------------------------------|--|---|--|
| Calendar 3 car | Cay stal outlas to ond of each year | Gress carnings | Net carnings. | Per cent on ouptal outlay | Eurnings per mile per v eok | Propertion of expenses to ournings | |
| 1696 1697 1698 1690 1690 1690 1691 1691 1692 1693 1693 1693 1693 1690 1901 1901 | Re 683,671 11 0C 083,671 11 0C 080 11 77,742 12 16 800 20 5 803 20 5 , 99 21 01,419 21,57,365 22,23 79,266 23,92,315 21,76,748 22,06,411 27,52,115 27,52,125 27,12,748 34 06 196 43 90 317 | Rs 31 522 1,20 107 1,67,097 1,67,097 1,77 221 2,70,410 2,69 171 7,92 5,80 2,76 220 4,50 4 4,50 4 4,50 4 4,50 4 4,50 4 5,56,60 2,76 658 2,76 658 2,76 658 3,56 658 | R# Not available 10 94 21 994 10 727 87, 50 10 10 10 11, 30 370 1, 1, 32 1, 1, 667 2,00 127 1,61,621 2,11,642 1,63 990 1,70 053 1,55,794 1,12,574 1,13,299 1,44 779 1,68 999 1,44 476 | 14 | Rs 39 46 50 60 60 60 60 60 60 60 60 60 60 60 60 60 | 103 28 86 84 86 84 86 84 70 34 57 88 54 50 54 50 55 55 50 41 50 40 62 54 64 73 64 73 64 73 64 73 | |

Number Sub Incide (a) to (c) ROHILKUND AND KUMAON RAILWAY SYSTEM—

Lines comprising the system - The Robilkund and Kumaon railway system is made up of-

| comprising the systom — The Isomulate and | | • | Open line | Under construction or sanctioned for construction | Total n |
|--|---|-------|-----------------|--|-----------------|
| (a) Robilkund and Kumpon railway (3' 39" gauge) | • | | Miles 53 92 | Mıl∘s 148 00 | Miles 201 92 |
| (b) Lucknow Barcilly railway (3'7's" gruge) (c) Powayan Light railway (2 6" gauge) | | | 237 04 39 50 | | 237 04 39 50 |
| | | Total | 330 46 | 148 00 | 478 46 |

Running powers-

Home line over foreign line—

Bhojes pure to Bareilly, Lucknow Bareilly railway, for passenger and goods trains

Foreign line over home line—

Bengal and North Western, Daliganj to Aishbigh, for passenger and goods trains

340

20 (a) Rohilkund and Kumaon railway proper (3' 3g" gauge)-

Dotails of construction-

The open line from Bhojeepura to Kathgodam is 53 92 miles long — Its construction was sanctioned in 1882 and it was opened in 1884.

45

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 20 Sub heads (a) to (c)

ROHILKUND AND KUMAON RAILWAY SYSTEM-contd.

20 (a) Rohilkund and Kumaon railway proper (3'33" gauge)-contd.

Details of construction-concld

There are 148 miles under construction, viz, (1) the Biroilly-Soron hranch, 56 miles, (2) Miradabad-Ramnagar branch, 47 miles, and (3) the Lalkua-Kashipur branch, 45 miles. The construction of these branches was sanctioned in 1903

Permanent way — The permanent-way consists of 414-lb. and 50-lb steel rails on sal sleepers.

Ballast - The ballast consists of brol en brick and shingle

Tencing -The line is partially feweed

Curves -There are no curves with a radius of less than 1,000 feet

Gradients -The ruling gradient is 1 in 70

Terms of contracts-

The Robilkund and Kumaon and Lucknow-Barcelly rulways are worked under the following contracts -

Contracts of-12th October 1852 -Rohill und and Kumaon Railway Company's original contract

8th September 1890 — Contract for the working and maintenance of the Lucknow-Barcilly railway and the Company's line as one system (Principal contract)

31st December 1592 - Relating to advances of capital by Government

5th February 1901 - Contract modifying the terms of the previous contracts

21th April 1903 —Contract as to rate of exchange for purposes of contracts of 12th October 1882 and 8th September 1890

15th July 1901 —Contract for construction of new branches and taking over a branch from Kasganj to Soron and other matters supplemental to contracts of 1852, 1890, 1901 and 1903

The general conditions of the contracts are as follows -

Government and—Company's rection—Government guaranteed interest at 4 per cent in sterling on the capital expended up to £200,000 until the line was opened for triflie, but not for longer than the first two years of the contract, thereafter a subsidy of Rs 20,000 half-yearly for ten years from date of opening, which ceased on 31st December 1894 Land was provided free, subject to the condition that the Company pays on demand to Government the cost price of land purchased by the latter subsequent to the date of the principal contract

Lucknow-Barcelly section —The Company to raise £160,000 capital by debentures which Government guarantee as to repay mont of capital and payment of interest, the Company undertaling to reimburse Government from its own funds any amount by which the guarantee may exceed the namual limit of Rs 96,000 Land was provided free of charge

Note —All sums to be advanced by Government after the 31st December 1900 bear interest at the rate of 3} per cent per annum under the agree ment dated the 5th Pebruary 1901

Terms of contract —The Lucknow-Barelly section was taken over in an unfinished state by the Company which raised the sum of £160,837 by the issue of debentures for the purpose of completing it. The remainder of the capital expended has been supplied by Government. The contract provides that the railway shall be worked in conjunction with the Company's own line, a joint account of working expenses being kept and the total amount divided half-yearly between the State line and the Company's line in proportion to their respective gross earnings.

Currency of contracts -

- (1) Robilinal and Kumaon railway contract—Government may terminate the contract at the end of the 30th year (e.e., on the 31st December 1912) or the 50th year (e.e., on the 31st December 1932), by giving 12 months' notice If the contract terminates by such notice or by efflux of time, Government have to pay 25 times the average not carnings, also determine the contract at any time on six months' notice, if the Company fulls to observe its obligations, on payment of the value of permanent-way, stock and plant, or may call upon the Company to accept the same in lieu of payment in which case the Company must remove its property within nine months from the termination of the contract, otherwise
- (2) Lucl now-Barcilly railway —Government may determine the contract on the 31st December 1907, or on the 31st December of any subsequent year, by giving twelve mouths' notice. In the event, however, of the original contract, dited the 12th October 1882, terminating by efflux of time or under notice of purchase or notice of determination, this contract, apso facto, also terminates at the same time. Government may also terminate the contract of the Company fails to observe its obligations after six months' notice. On determination of the contract Government resume possession of the State railway on payment to the Company of the amount of the capital received, or take over its liabilities with respect

Power of Company to surrender contract -N11

Terms of working —Company's section —During the period that the Government are liable to pay interest, after deducting working expenses, (which may include any single item of capital expenditure, not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 15 per mile of line open in each half-year, and a payment of Rs 20 for every mile of line open to traffic to be made half-yearly to Government for supervision), the surplus

History of railways constructed and in progress

[For Index see page 106]

Number Main head 20 Snb heads (a) to (c)

ROHILKUND AND KUMAON RAILWAY SYSTEM-contd.

20 (a) Rohilkund and Kumaon railway proper (3' 3%" gauge)—concld

Terms of contracts-concld

profits, after repayment of the guaranteed interest, go to the Company Subsequently half the surplus profits, after 5 per cent for the year (within a limit of £5,000 for each half-year), has been appropriated to the Company, are to be applied in repayment to Government of arrears of guaranteed interest and interest thereon. The other half and any ultimate surplus to belong to the Company After the year ending 31st December 1897 Government are to receive half the surplus profits in excess of 6 per cent.

Note —It has been agreed that in calculating the surplus profits for division, sams received by the Company as its share of the surplus profits of the Lucknow Bareilly railway shall not be taken into occount

Inclnow-Barelly section —The working expenses of the system, (which may include any single item of capital expenditure not execeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 15 per mile of line open in each half-year, and a payment of Rs 20 for every mile of line open to itaffic to be made half yearly to Government for supervision), are divided between the Company's line and the State railway in proportion to their gioss carnings, the profits of the State railway being applied (1) in meeting payment of interest on the debentures and of interest at 4 per cent on any further capital supplied by the Company for the undertaking of advanced by Government, (11) in payment to Government of interest at 4 per cent on their capital in the undertaking, and (111) the residuo to be divided half-yearly between Government and the Company in the latio of their respective shales of capital in the undertaking

Any insufficiency of the profits to meet the charges under (2) that may be met by money supplied by Government shall be a cumulative preference charge against subsequent profits before division of residue

Rates and fares - Certain maxima and minima have been fixed within which the Company is permitted to vary rates

Statistics of working-

| | | | | TABLE I. | • | | | TA | BLE II | |
|--------------------------------------|---|---|--|---|--|--|---|----------------------------------|--|--|
| Calen dar year | Capital outlay to end of each year | Gross carnings | Net carnings | Percen toge on capital ontlay | Snbady from Government | Total inceme | Porsentage of tetal income on capital outlay | Carnings per milo per week | Proportion of expenses to carn nugs | Behares |
| 1834 1855 | Rs 1940,206 21,71,124 | Rs 56 543 2,38,572 | Rs 1 731 40,153 | 0 09 1 85 | Rs 40,000 | Rs 1734 80,153 | 0 09 3 69 | R ₈ 51 68 | 95 16 66 40 | In 1905 the in- crease in the Capital ontlay |
| 1886 1887 1883 1889 1890 | 22 52 962 22 91,619 23 40 100 23 96 624 20,37,223 | 3 00,191 3,10,274 3 34 092 3 72 70 7,14,834 | 83 832 76,800 1 02,120 1 20,135 1,11,003 | 3 72 3 35 4 36 5 01 5 45 | 40 000 40 000 40 000 40 000 40,000 | 1,23 832 1 16 800 1 42 120 1,60 135 1,003 | 5 50 5 10 6 07 6 69 7 41 | 86 92 96 107 90 | *8 75 63 42 57 46 56 93 52 04 | is due to the in- clusion of outlay on the branches under construction |
| 1891 1892 1893 1894 1895 | 20 49,458 20 a8 575 20 82 250 20 80 410 20,78,251 | 3,85 084 5 20, 67 4 /5 909 4 59,315 4,04,504 | 1,53 140 1,57 780 1 13 180 1,70 191 1,52,973 | 5 62 6 82 6 17 7 16 7 36 | 20,000 40 000 40 000 40,000 | 1 53,440 1 97,750 1,83 180 2 15 191 1 52 973 | 7 49 9 61 8 80 10 34 7 36 | 112 127 121 134 118 | 59 22 54 17 56 78 52 91 62 18 | and the docroose io not carnings to heavy outlay on relaying the main line |
| 1893 1897 1893 1899 1900 | 20,79,863 21,20,498 21,42,552 21,48,313 31,53,125 | 4,26 °05 4,23,720 4,62 °308 4 °5,623 4,37,572 | 1,51 595 1,73,181 2 21 899 2,31,020 2,21,048 | 7 13 8 17 10 86 10 89 10 59 | | 1 54 795 1 73 184 2 21,599 2 34 020 2,28,048 | 7 43 8 17 10 36 10 89 10 59 | 125 121 135 136 156 | 63 79 59 33 52 24 49 74 48 6± | |
| 1901 1902 1903 1904 1905 | 22 09 423 23 36 911 25,89 790 43 55 575 93,34,539 | 3,84 314 4,10,026 4 13,147 4,18,787 4,10,664 | 2 09 896 2 18,317 2 20 405 2,21,403 1,54,126 | 9 50 9 37 8 51 5 15 #6 80 | | 2 09 896 2,18 317 2 20,405 2 24 103 1,*4 126 | 9 50 9 71 8 51 5 15 \$6 30 | 112 146 121 122 123 | 4 , 39 46 83 46 65 46 41 60 02 | * Colculated or capital outlay on open line |

20. (b) Lucknow-Barelly railway (3' 33" gauge) -

Details of construction -

The open mileage is 237 01 miles, and is divided into main line (Lucknow to Bareilly), 198 55 miles and branches, 38 49 miles Sanction to the construction of the main line was accorded in 1881 and it was opened through in 1891

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Permanent-way —The permanent-way consists of 411-lb and 50-lb steel rails on sal sleepers

Ballast -The ballast consists of broken bricks, kunkur and shingle

Fencing -The line is partially fenced

Curves -There is only one curve with a radius of less than 1,000 feet

Gradients -The ruling gradient is 1 in 100 except on the Dudhwa branch where it is 1 in 60.

Terms of contracts-

See under Rohilkund and Kumaon railway proper, 20 (a)

Restory of railways constructed and in progress.

[For Index see page 106]

Main head 20 Number Sub herds (a) to (c)

ROHILKUND AND KUMAON RAILWAY SYSTEM-concld.

20 (b) Lucknow-Barerlly railway (3' 3%' gruge)—concld

Statistics of working-

| | Таньг 1 | | | | | | | | | LAR | r II | | |
|--------------------------------------|---|---|---|--------------------------------------|--|--|---|-------------------------------------|----------------------------------|----------------------------|---|---|---|
| Calendar year | Capital outly to ond of each year | Gross earnings | Net carnings | Per cent on capitil out lay | Interest | Com jun s shiri of net corn in s | Gun or lo 4 to the State | Burnings per mile per yeel | Pro of exp to carnings | Farming per inite | | | Pro of exp to enrange |
| | Гq | Rs | Ra | | Rs | Ru | П° | Rs | | Rs | | Rs | |
| 1883 1884 1885 | 4,81,91a 1 ,43,099 20,15,567 | 10,2 9 8',627 | 8 9 17, 13 | 0 06 0 65 | 11,192 96 172 53,917 | | -11 192 -3,71 -36 001 | 99 11 | 91 S1 83 7) | | | | |
| 1896 1887 1898 4899 1890 | 12,10,146 52,24,21 52,8 ,870 54,59,580 65,83,624 | 1,15,296 2,92,170 3,51327 4 22 731 4,56,738 | 29 729 (7,071 97 0.1 1,17,869 1,32,3 8 | 0 69 1 0 1 87 2 70 2 02 | 1,18 570 1 9 016 2 03 ,03 2 16 16 1 2,30 69 1 | | -1,19 8{1 -1 17 1'2 -1,01 172 -68 771 -93,761 | *5 *0 *9 C1 | 77 16 71 47 70 11 66 03 | 45 16 47 50 62 | 76 27 7 19 71 81 0 16 72 78 | ¥ | |
| 1891 1892 1893 1894 1895 | 79 17 846 81 66 804 83 89 362 85 93 0 8 87,22,466 | 4 95 068 6,82 636 7 28 673 9 7 ,2 9 8,25,9 14 | 1 73,011 ° 74 601 ',7','11 1 48 218 1,1° 116 | 2 19 9 26 5 29 5 39 | 2 72 065 3 07 051 3 24 770 3 to 323 8,50,196 | 11 501 2 1°; 7) 310 15 631 | -09 0 :4 -41 *51 -1 : (1 + 23 *8 : -59,511 | | | | | 76 73 74 | , 65 05 59 72 62 29 59 25 61 70 |
| 1896 1897 1898 1899 | 89 63 C20 9 1,05 715 91 90 176 91 97 18, 99,21,132 | 8 27,500 8 17 371 10 31 (83 1 '72 100 12,53,8(1 | 3 02 071 3 776 5 00 40 6 33 155 6,51,957 | 7 °7 * 61 5 27 6 63 6 57 | 7 19 88 ; 1 (1 5 ; 2 (1 6 ; 77 2 (3) (77 3 73 (77 | 17 415 26 950 61 721 76 852 1,17,611 | -60 ° 0 -52 7 4 + 68 6 7 + 1 91 456 + 1,81,249 | | | | | 75 69 91 111 107 | 63/32 50/43 51/63 50/21 48/72 |
| 1903 | 1,01 63 943 1 19 96 019 1,15 01 911 1,17 14 595 1,17,19,557 | 14 53 4_9 14 03 2(6 14 9 12) | 7 *9 124 7 69 51 5 7 15,6 9 7 97 671 5 20,902 | 7 14 6 81 6 51 6 81 6 °6 | 3 91 796 1 -3 528 4 *3 8 7 4 18 3 8 4,50,418 | 99 19, 71 6 6 52 579 73 487 16,811 | + 2 67 133 + 2 71 374 + 2 47,201 + 2 91 8.6 + 3,53 7 33 | | | | | 123 1 12 125 125 123 125 | 44 76 47 03 46 63 46 69 50 95 |

20 (c) Powayan Light 121lway (2' 6" ginge)-

The line vis constructed creamilts by the Power in Steam Trumwer Company and the maintenines and working were taken over by the Rohill und and Kumaon Rulway Company from 17th December 1900

Details of construction -

This line, which connects Shilly thinpur with Mulim, is 39 50 miles long. Its construction was first smetioned in

1889 and it was opened through in 1894

Permanent-way — The permanent way consists of flat footed steel rule, weighing 25 lbs. to the pard, laid on sail sleepers

Ballast -The line is bollasted with earth

Fencing -The line is unique descept it state is

Cur e -There are no curves with finding of less than 1,000 feet.

Gradients —The ruling gr dient is 1 in 100

Terms of contracts-

The Powayan Light ruly is worked under the following contracts -

Contract of-1st July 1901 (between the Secretary of State and the Powaran Light Railway Company) for maintenance and working

6th November 1902 (between the Secretary of State and the Rohilkund and Kumaon Railway Company) as to terms of working

The general ecuditions of the contracts are as follows -

Government and -Land

Currency of contract - The contract is terminable on the 31st December 1912 or any time thereafter on one year's

nctice being given ly either party

Terms of norling -The working agency is to 1 stain 70 per cent of the gross curnings until the line is filly equipped, and thereafter the same percentage is that at which the whole open system is worked, subject to a mini mum of 60 per The percentige so retained may include any single item of cipital expenditure not exceeding Rs 200, subject to a maximum charge of Rs 20 per mile in each half year

Rates and fares —The same rates and fares as may from time to time be applicable to the Lucknow-Bareilly

| | Ta | TABLE II | | | | |
|--------------------------------------|---|----------------|--|--|-----------------------------------|---|
| Calendar year | of each year | Gross carnings | ' Net carnings | Per cont on capital outlay | Parnings per milo per neek | Proportion of expenses to carnings |
| 1901 1902 1903 1904 1°05 | Re 8 11,0,9 8 97 456 £ 94 619 8 9,751 8,94,751 | 75,675 | ks 20 059 22 721 28,482 30 937 86 707 | 2 ^9 2 \\\2 3 18 3 16 4 10 | 119 93 97 95 98 45 | 70 00 70 24 60 34 60 34 60 37 |

History of railways constructed and in progress.

[For Index see page 106]

Number $\frac{\text{Gain nead } 2.}{\text{Sub heads } (a) \text{ to } (f)}$ Vain head 21

SOUTH INDIAN RAILWAY SYSTEM-

Lines comprising the system -Tho South Indian railway system is made up of-

| - | | Open line | Under construction or synotioned for construction | Total |
|---|-------|--|--|--|
| (a) South Indian railway (3' 3?" gauge) | | Miles | Miles | Miles |
| (b) Karai halm railway (3° 3g° gango) (c) Pondioherry railway (3° 3g° gango) (d) Tanjoro District Board railway (3° 3g° gango) (e) Tinnevelly Quilon (Travancoro) (British section) (3° 3g° gango) (f) Tinnevelly Quilon (Travancoro) (Native state section) (3° 3g° gango) | | 1,123 05 14 65 7 85 99 46 50 48 57 98 | 20 83 | 1,143 88 14 65 7 85 99 46 50 48 57 98 |
| Cont. To Jan. 1 | Tetal | 1,353 47 | 20 83 | 1,374 30 |

21 (a) South Indian railway proper (3' 3\frac{3}{3}" gauge) —

Details of construction-

The total open mileage of the South Indian railway proper is 1,123 05 miles. This may be divided into (1)

Madras-Tuticorin section, main line (Madras to Tuticorin), 440 80 miles, branches, 312 97 miles (2) Villupuram Dharmavaram section, main line (Villupuram to Dharmavaram), 270 18 miles, Gudur bianch, 84 10 miles Frist sanction to the construction of (1) was given in 1859 and it was opened through in 1879 (2) was sanctioned in 1888 and opened through in 1892

In addition to the above there are 11 83 miles under construction and 9 miles sanctioned for construction

Permanent-way -The rule in use are 50-lb and 52-lb bull-headed steel, 56-lb and 411-lb flat-footed steel, 40 3-lb. flat-footed and 68-lb double headed iron The sleepers are east iron pot, steel transverse and wooden

Ballast -The line is ballasted throughout, partly with broken stone and partly with laterite and gravel interspersed

Fencing -The line is fonced, with the exception of the Villupuram Dharmavaram and Pikala-Gudur sections and the Pamban branch which are fenced only at stations

Curics -The sharpest curve is of 500 feet radius

Gradients -The ruling gradient is I in 200, oxeept on the length between Madras Beach and Fort and on the Villapuram-Dharmavaram, Pakala-Gudur, Triehinopoly-Madura, and Kaiui-Erode sections where it is 1 in 100

The railway is worked under the following contracts —

Contract of-24th November 1890 (between the Secretary of State and the South Indian Railway Company) for working

27th June 1901 (between the Secretary of State and the South Indian Railway Company) relating to the Pamban branch

The general conditions of the contracts are as follows

Terms of contract - The original South Indian Railway Company ceased to exist at the end of 1890, when the Terms of contract—The original South Indian Italian y Company seased to exist at the end of 1000, when the railway was purchased by the State

The purchase was effected by means of a each payment to the Company, and all the contracts then subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts then subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts then subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts then subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts then subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts then subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts the subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts the subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts the subsisting between the Secretary of State and the Company were determined. The purchase price was effected by means of a each payment to the Company, and all the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contracts the contract

4 197,557

of £1,000,000, as the agency for carrying on the working of the lines after their acquisition by the Government, and for completing a system of State lines which was

contract Any further moneys required hie provided either by the Secretary of State or raised by the Company under guaranteo

Subject to the provision of the contract, all monoys paid by the Company become the absolute property of the Secretary of State

Currency of contract -Government may dotermine the contract on the 31st December 1910 or at the end of any succeeding fifth year, giving 12 months' previous notice Government may also determine it, by giving six months' notice, should the Company fail to observe its obligations or the line be worked at a loss for not less than three half-On the expiration of the contract Government are to take possession of the rulway and all its years continuously appliances, repaying at par to the Company its capital of £1,000,000 and any further capital raised by it and paid to Government

Power of Company to surrender contract—Nil

Terms of working —After deducting working expenses (which may include any single item of capital expenditure not exceeding Rs 1,000 classed as a 'Minor Work,' subject to a maximum charge on such account of Rs 15 per mile of line open in each half-year, and a payment of Rs 40 for every mile of line open to traffic to be made half-yearly to Government) the net receipts to be applied in payment to Government of the equivalent in rupees of interest at 3 per cent on £1,000,000, the Company's capital, at 4½ per cent on £425,000, the irredeemable debenture stock of the old Company, at 3½ per cent on the debenture stock issued and upon the principal moneys owing in respect of advances made for the Pamban branch, and 3 per cent on the net expenditure shown by the capital advance, stores and capital accounts 'After deducting the equivalent in rupees of the sums referred to above, the residue, if any, to be divided between Government After deducting the equivalent in rupees of the sums referred to above, the residue, if any, to be divided between Government nd the Company in the ratio of the respective capital amounts contributed by each

Rates and farcs - Certain maxima and minima have been fixed within which the Company is permitted to vary ites.

History of railways constructed and in progress.

[For Index see page 108]

Number Main head 21 Sib heads (a) to (f)

SOUTH INDIAN RAILWAY SYSTEM-contd

21 (a) South Indian 1ailway proper (3' 3%" gauge)—concld

Statistics of working-

| | Tar | et I [13ceudii (Bi itist | ng the Tiv e LAND NATIVE | | | | f | | Taber 11 (1 obody o for 10 december rangar et 70 (m) | | | | |
|--------------------------------------|---|---|--|---|---|--|---|--|--|---|--|---------------------------------|---|
| Calen dar year | Capital outlay to end of each year | Gross carnings | Not cirnings | Per emit on capital outlay | Intenst | Company e star of ret enruings | On tier 10 s to the Sints | 311 1147 311 1 | rot l'1 l'1 rot l'1 rot l'1 | Prop we state to a ve | Aca., q t Gi,u., | in a let ands to k | Irone- tores tores tores |
| | Re | Re | Re | | Rq | Ru | Iu | | ľ. | | | P4 | |
| 1879 1850 1881 1852 1853 | 1 11 96 588 1 16,77 075 4,52 22,7 10 4,5 69 289 4,54,97,614 | 33,62,057 3 19,193 97,115 97, 5,711 35,64,65 | 10 (72 /7 0, 0017 11 17,724 14 02 723 13,22, 134 | 25 25 25 25 25 25 25 25 25 25 25 25 25 2 | 200 0%, 21,4913 21,497 11,5071 21,44,71 | | -10°10.0 -11°12. -502°1. -7, 17 -621,4 | 10/3 | 77 61 71 72 73 | 11 15 15 15 15 15 15 15 15 15 15 15 15 1 | 16 7 16 7 16 7 16 16 15 1 | 115 177 161 151 | C-20 1-03 7031 57-0 6-37 |
| 1881 1885 1886 1887 1888 | 1,67,51,772 1,97,71,900 5,15 16,172 3,061, 49 5,57,91,976 | 41,80 010 47 (41,120 9 20 176 71,70 924 80,88 683 | 14,01,191 17,81,711 14,77,711 14,11,62 | 2.62 8.0 8.0 0.10 | 2, 10,171 27,6,18 2,50,45 21,7,7,0 2,50,0,7 | •• | -10 17,15° J | 1-03 | 1(* 5) 84 84 | 104.2 114 1 14 71 11 (-10 | 1671 1-34 1511 1511 | 157 117 115 165 165 | 2,2 2,1 1,1 1,1 1,1 10,2 10,2 10,2 |
| 1679 1690 1691 1592 1693 | C 2" 01 GC 9 7 77 1 5 191 7 72 11,405 7 82 81,761 7,(3,31,913 | 50 10 375 64 25 510 70,50 7 15 77,14 4 16 8 392,418 | 17,67 111 20 15 70 1 27,77 16 27,77 16 50 11,352 | 54242 \$6.094 | 2 2 4 4 1 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 | างวุรม | -1766 824 -2 00 -1" 11012 -11746 4 -12723 | 1-71 1-72 1-73 1-73 1-73 1-73 1-73 | 12) 12) 101 20 | 11c2 17c1 17c1 18c1 01c1 | 16.7 1 07 1 07 10.72 10.72 | 170 | 2701 7120 7241 727 4,17 |
| 1894 1897 1897 1898 | 76117,972 7,6838,601 777,67 25 711 1 6 3 7,1 21,573 | 80 ff, 7 6 115 017 60 1 61 01 51 117 21,67 51 | 10,27 193 10,27 193 130,77 193 130,77 193 130,77 193 | 4 30 7 17 8 25 7 01 8 10 | 42 61 617 47 77, 75 40 1 0 677 55 71 112 57,111 | 16 47 2 .71 - 1 47 - 1 70 - 1 70 | -11/100 -10 11 1 -1,417.5 -45 17 | 15") | 102 102 103 | 13:22 | 16-2 19-5 16-1 1505 | 15000 | 41.22 41.22 42.03 42.03 42.03 |
| 1899 1900 1901 1902 1903 | 7 762 C77 7 67 76110 8 21 78 915 8 11 97 226 8 69,72 113 | 817317_ 8701,52 1,014 - 1,7 10 04 - 2 1,218_ 17 | 7,57,611 7,177,611 | 52s 771 6 77 773 8 89 | 40'=142' 1 41 57'-2 42 57'-2 42 52' 1 45'50 53' | 6 5 10 4 5 10 4 5 10 5 1 4 5 | + 1 (\$1 + 1 1 1 1 + 12 312 0 + 12 0 702 + 20 1 125 | 16 J 16 J | 100 | C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | |
| 1904 1905 | 10 01 *5 6°6 8,62 9 ,191 | 1 25 18 (57 1,-1,31 .76 | 71 16 nai 65 77,000 | 7 11 7 ω | 27 n , 67 17 60 693 | 71,07 1010,0 | +15.23 N +6.47 Cou | 150, | 113 | (374 | | | |

21 (8) Kaiailkal-Peralam railway (8' 8%" guge)-

The line is partly in British and partly in French territories and was constructed (by the agency of the South Indian Railway Company) with the object of placing the town and part of karaki also communication with the railway system of Southern India

Details of construction-

The line is 14 65 miles long. Its construction was superiored in 1895 and it was opened in 1898

Permanent-way — The permanent-s by consists of 111-lb firt-footed steel rule laid on speeden and steel transverse sleepers

Ballast -The line is billisted with Interite

Fencing -The line is fenced only at stations

Curves -There are no curves with a radius of less than 1,000 feet

Gradients -The ruling gradient is 1 in 200

Terms of contract-

The rulway is worked under the following contract -

Contract of-27th March 1902 (between the Government of the French Settlements in India and the South Indian Rulway Company) for working

The general conditions of the contract are as follows -

Government and—The land occupied by the portion in British territory has been made over by the British Government free of cost on condition that the proprietary rights remain vested in the British Government

Currency of contract —The contract is terminable by either party giving twelve months' notice to expire on the 30th June or 31st December in any year

Terms of working—The line is worked for the same percentage of working expenses to gross earnings as obtains on the undertaking, plus 5 per cent of the gross receipts of the line for the use of the main line rolling-stock and Rs 1,500 per annum for interest on the main line Revenue stores and Stores and Workshop buildings and michinery. If, at any time, the Company can show that the working of the railway involves an actual loss on the percentage term the Government of the French Sottlements in India have to make good the loss.

Rates and fares — Same as on the South Indian rulway system.

History of railways constituted and in progress. [For Index see page 106]

Number Sub heads (a) to (f)

SOUTH INDIAN RAILWAY SYSTEM-contd.

21 (b) Kararkkal-Peralam rarlway (3' 3%" gauge) -concld

Statistics of working-

| | TABLE I | | | | ' TABL | E II |
|--------------------------------------|--|--|--|------------------------------|-------------------------------|--|
| Calendar year | Capital outlay to ond of each year | Gross carnings | Not earnings | Per cent on capital ontlay | Earnings per mile per weck | Proportion of expenses to carnings |
| | Rs | Rs | Rs | | Rs. | |
| 1895 1896 1897 1893 1899 | 4,759 59,009 5 93,082 7 21,665 7,25,314 | 19,733 27,695 | 7,855 9,037 | 1 09 1 25 | 27 37 | 60 19 67 86 |
| 1900 1901 1902 1903 1904 | 7,29,715 7,23,786 7 23 786 7,23,786 7,23,786 | 24 608 30,450 32,736 33 933 36,945 | 9,478 13,314 14 619 19 864 —29,432 | 1 30 1 84 2 02 2 74 | 32 40 43 51 48 | 61 48 56 28 55 34 48 98 179 66 |
| 1905 | 7,23,786 | 86 922 | 4,406 | 0 61 | 48 | 88 07 |

21. (c) Pondicherry railway (3' 33" gauge)-

The line is in French territory and was constructed (by the Pendicherry Rulway Company under the supervision of the South Indian radway) with the object of placing the town and port of Pendicherry in communication with the radway system of Southern India and of developing the resources of the French territory

Dotails of construction-

The line is 7 S5 miles long Its construction was sanctioned in 1878 and it was opened in 1879

Permanent-way - The line is laid with 50-lb bull headed steel rails on east iron pet sleepers and with 411-lb flat-footed steel rails on wooden sleepers

Ballast —The line is ballasted with stone

Fencing —The line is fenced

Curves —The sharpest curve is of 495 feet radius

Gradients - The ruling gradient is 1 in 200

Torms of contract-

The railway is worked under the following contract -

Contract of—30th December 1890 (as renewed, between the South Indian Railway Company and the Pondicherry Railway Company) for working the line

The general conditions of the contract are as follows

Currency of contract - The centract will be terminable by either party on giving 6 months' notice expiring on the 31st December in any year

Terms of working—The line is worked for the same percentage of gross receipts as obtains on the undertaking

including the Pondieherry railway

Rates and fares -Same as on the South Indian railway

| | | | TABLE I | | | | | Таві | E II |
|--|---------------|-----|---------|--|--|--|--------------------------------------|----------------------------------|--|
| | Calendar year | | | | Gross carnings | Not carnings | Per cent on capital ontlay | Earnings per mile per wook | Proportion of expenses to carnings |
| 1879 to 1889 | | | | Rs Information | Rs not availabl | Rs | | R _B | |
| 1890 1891 1892 1893 1894 | : | | • | 5,68,543 5,68,543 5,68,543 5,68,543 5,69,543 | 20,106 15 341 18,014 27,958 | 20,107 15,341 18,014 18,425 | 3 54 2 70 3 17 3 24 | | |
| 1895 1896 1897 1893 1899 | | • | | 5 68 543 5,68,543 5 69,543 5,68,543 5,68,543 | 50 328 39 681 36,592 81,830 45,305 | 22,711 17 776 17,169 14 894 21,627 | 8 99 3 13 3 02 2 53 3 80 | ≻Includea with Indian railway | the South |
| 1900 1901 1902 1903 190 1 | • | : • | | 5,68 543 5,68,543 5,68 543 5,68,543 5,68,543 | 59,583 60 174 70 178 73,416 60,119 | 23,193 32,356 37,960 44,258 33 662 | 4 08 5 69 6 68 7 78 5 92 | ر | |
| 1905 | • | • | | 5,68,543 | 58,414 | 29,827 | 5 25 | 143 | 48.94 |

History of railways constructed and in progress.

[For Index see page 106]

Number $\frac{\text{Main head } 21}{\text{Sub heads } (a) \text{ to } (f)}$

SOUTH INDIAN RAILWAY SYSTEM-contd.

21 (d) Tanjore District Board railway (3' 38" gruge)-

This railway was constructed by the agency of the South Indian Railway Company, and the money for the railway was raised by the imposition, with the concurrence of the inhabitants or their representatives on the District Board, of a special cess of 3 pies in the jupice on all lands which would be served by the railway or benefited by its construction. It was entirely a new departure, and has opened the way for the provision of railways for which Government are unable to find the money immediately, either by the District Board itself raising the capital when the cess is sufficient for this purpose, or by giving a guarantee to a company.

Details of construction-

The open mileage (Mayavaram to Arantangi) is 99 46 miles. Construction was first sanctioned in 1890 and the line was opened through in 1903

Permanent way —The line is laid with 414-lb flat-footed steel and 40 3-lb. flat-footed iron rails on sal, pyinkado, west coast teak and jariah sleepers

Ballast —The Mayavaram-Mutupet section is ballasted with laterite and the Mutupet-Arantangi section is being ballasted with laterite over sand

Fencing —The line is fenced only at stations

Curves —The sharpest curve is of 1,146 feet radius

Gradients -The ruling gradient is 1 in 200, except botween Adirampatinam and Pattukkotta where it is 1 in 160.

Terms of contract-

The railway is worked under the following contract -

Contract of-22nd July 1897 (between the Secretary of State and the South Indian Railway Company) for working

The general conditions of the contract are as follows -

Government and -Land was provided fice of cost

Terms of contract—The funds for the Mayavaram-Mutupet section were in the first instance provided in equal proportions by the Government of Madras from Provincial Revenues and by the Tinjore District Board from its railway guaranteed fund created by a special local cess. On the 1st January 1900 the Tanjore District Board took over the Government section and became sole owners—the purchase money, Rs 12,34,720, being treated as a loan at 4 per cent per annum. The extension of the line is being carried out by the South Indian Railway. Company at the cost of the Tanjore District Board.

Currency of contract —Contract to remain in force until either party gives 12 months' notice expiring on the 31st December in any year. The Government of India reserve the right of taking over the whole of the railway at any time, on 12 months' notice, by assuming hability for any debentures which the District Board may have issued and by repayment of any further amounts which it may have spent out of its railway guaranteed fund. Under ordinary eigenstances this condition will not be enforced up to 31st December 1920 (Government of India No. 303 R.C., dated 5th March 1898)

Terms of working—The line is worked for the same percentage of gloss receipts as obtains on the undertaking (which may include any single item of capital expenditure not exceeding Rs 1,000 classed as a "Minor Work," subject to a maximum charge on such account of Rs 15 per mile of line open in each half-year), plus 5 per cent of the gross receipts of the line for use of rolling-stock, and all other charges properly debitable to revenue

Rates and fares — To be agreed upon from time to time between Government and the Company within the maxima and minima in force on the undertaking.

| , | | | | | | | | | T | ABLE I | | | | Тав | LE IL |
|--------------------------------------|---|---|------|------|-------|---|---|---|--|--|--------------------------------------|--|---|-------------------------------------|---|
| | | (| Jale | ndar | . Acu | r | | Capital eutlay to end of each year | Gross carn ings | Net carnings | Per cout on capital outlay | Interest | Gain or less to the State | Earnings per milo per week | Proportion of expens es to earn ings |
| 1890 1691 1892 1893 1894 | | | • | • | • | | • | Rs 61,509 4,82,149 13,84,423 21,62,957 23,79,123 | Rs 1,63,460 | Rs 62,912 | 2 65 | Rs 1,230 10,873 37,331 70,947 1,00,701 | Rs -1,230 -10,873 -37,331 -70,947 -37,759 | Rs 103 | 61 50 |
| 1895 1896 1897 1898 1899 | • | | | | • | ? | | 21,47,438 21,49,680 21 91 854 21,94,905 24,97,355 | 2,42 021 2,47,772 2,66,081 2,46,199 2,42,016 | 93,669 99,861 1,11,496 77 627 96,798 | 3 83 4 06 4 47 3 11 8 88 | 95,700 97,861 99,159 99,845 | -2,031 +1 500 +12,337 -22,216 -3,017 | 86 88 95 88 | 61 30 59 90 58 10 68 47 60 01 |
| 1900 1901 1902 1903 1901 | • | | • | • | | : | • | 26,50,776 32,17,51 38,18,202 45,70,190 46,32,763 | 2,32,280 2,90,637 3,08,879 3,90,747 5,24,490 | 97,782 1,35,765 1,46,764 2,09,167 2,61,364 | 8 69 4 22 8 84 4 58 5 64 | 1,02,731 1 35,831 1,63 157 1,97,176 2,25,868 | -4,952 -8 076 -16,393 +11,691 +35,496 | 83 103 103 106 101 | 82 02 53 29 52 48 46 47 50 17 |
| 1905 | | | | | • | | | 47,33,090 | 5,86,680 | 2,65,302 | 5 61 | 2,21,234 | +44,068 | 113 | 54 78 |

History of railways constructed and in progress [For Index see page 106]

Number $\frac{\text{Main bend 21}}{\text{Sub heads (a) to (f)}}$. SOUTH INDIAN RAILWAY SYSTEM—contd

21 (c) Tinnevelly-Quilon (Travaneore) (British section) (3' 33" gauge)-

Details of construction-

The line is 50 48 miles long — Its construction was spectioned in 1899 and it was opened in 1903

Permanent-way - The line is laid with 50-lb bull-headed steel rails on cast iron pot sleepers

Ballast -The line is billasted throughout with broken stone

Fencing -The line is fenced at stations, and at a few places where it runs close to villages and public reads

Curves - The sharnest curve is of 1,132 5 feet radius

Gradients - The ruling gradient is 1 in 100

Terms of contract-

The Tray meore branch is worked under the following contract -

Contract of-27th June 1901 (between the Secretary of State and the South Indian Railway Company) for working The general conditions of the contract are as follows —

Government and —Government guarantee interest on the debentures to be raised by the South Indian Rulway Company for the construction of the line

Currency of con'ract -I he contract will remain in force until the principal contract for working the undertaking shall terminate

Terms of worling—The branch is to be worled for the same percentage of working expenses to gross earnings as obtains on the undertaking, subject to maintenance for the first two versafter opening being charged to capital. After meeting interest charges, the residue of net carnings to be divided between the Secretary of State and the Company in the proportions in which the rolldee of net revenue receipts of the undertaking are divisible under the principal contract. If the net carnings are not sufficient to me t interest charges of any half year, the deficiency attributable to the section of railway within the Native State of Travalence to be borne by the Secretary of State, and that attributable to the section of railway outside it o Native State to be borne by the Secretary of State and the Company in the proportions in which the residue of such net revenue receipts would have been divisible between them had there been any such residue

As between Government and the Native State of Transcore the latter has under-written the guarantee of interest to the extent of the capital required for the construction of the line lying in its State, any excess of net carnings over interest charges attributable their to being made over to and any deliciously being met by the Native State

Rates and furer -Same as on the South Indian railwiy

Statisties of working -

| | | | | | TA | ELE 1 | | | | | | | TABLE IF | |
|----------------------|---------------------|----------------------------|------------|-------------------|----------------------------|---------|----------------------------|--------------------|----------------------------|--------------------------------------|-----------|----------------------------|----------------------------------|------------------------------------|
| | | OT IALTO | | Ner e. | annings | PER CI | CO TAT | I TEREST | CH leges | Gv | 14 OL 108 | 15 | (Incl.) | |
| | | LAR | Cnoca | | | OUTLI | | | | British section | | | STATE SECTION) | |
| Calendar year | Brit sh section. | Nativo Stato ecotion | Gross | British ection | Nativo Stato scotion | Brit: h | Nativo Stata section | British section | Nativo Stito scotion | South Indian Rulway Company | State | Native St to section | Farnings per milo per week | Proportion of expenses to earnings |
| | Rs | Rs | Rs | Re | Rs | | | Rs | Rs | R_8 | Rs | Rs | Rs | , |
| 1962 1963 1964 | } Included | with the Se | uth Indian | rulway | proper | | | | | | | , { | 81 101 85 | 41 51 41 18 51 01 |
| 1005 | 43,10,925 | 1 17 64 077 | 4 66,757 | G8 311 | 1,60,063 | 1 57 | 154 | 1 49,273 | 3 99,750 | -12,231 | -67 695 | -2,18 787 | 80 | 49 78 |

21 (f) Tinnevelly-Quilon (Travancore) Nativo State section (3' 33" gauge)-

Details of construction-

The Nativo State section is 57 98 miles long. Its construction was sinctioned in 1899 and it was opened, through in 1904

Permanent-way—The line is lind with 50-lb bull-headed steel rails on east iron pot sleepers, except for a length of 23 48 inites, between Pontlur and Shencottah, where there are wooden sleepers of jarrah, irul and teak

Ballast — The line is ballasted throughout with broken stone

Fencing —The line is fenced only at stations and at a few places where it runs close to villages and public roads Curves —The sharpest curve is of 477 feet radius

Gradients —The ruling gradient between Quilon and Ponslur is 1 in 100 and between Ponslur and Shencottah 1 in 50 Torms of contracts—

The line is worked on the same terms as apply to the Tinnevelly-Quilon (Travaneore) British section.

Statistics of working-

See under British section.

History of railways constructed and in progress

[For Index see page 106]

Main head 2 Number Sub herds (a) to (l)

SOUTHERN MAHRATTA RAILWAY SYSTEM—

| Lines comprising the system —The Southern Mahratta iailway system is | made up of- | Under | |
|--|-------------|----------------------------------|----------|
| | Opon hne | construction or for construction | Total |
| | Miles. | Miles | Miles. |
| (a) Sonthern Mahratta railway (3' 33" gango) | 1,012 01 | | 1,012 01 |
| (b) Bellary Rayadrug rulway (3 37" gange) | 33 85 | | 33 35 |
| (c) Birnr Shimoga railnay (3' 3" gango) | 37 92 | | 37 92 |
| (d) Guntakal Mysore frontier railway (3 33" gauge) | 119 50 | | 119 50 |
| (e) Hindupur (Lesvantpur Misere frontier) railway (3'3' grugo) | 51 35 | | 51 35 |
| (f) Hospet Kottur railway (3 3% gaugo) | 43 06 | | 43 06 |
| (g) Kolhapur railway (7'3}" gango) | 29 27 | | 29 27 |
| (h) Mysere Naulungad rulway (3'3) 'gange) | 15 80 | | 15 80 |
| (1) Hysoro section (Southern Mahratti) (3' \$2" gauge) | 296 22 | | 206 22 |
| (j) West of India Portaguese railway (3' 3," gauge) | 51 10 | | 51 10 |
| (l) Be uada Masulipatam railuay /3 33 gauge) | | 49 50 | 49 50 |
| (1) Sangl *arluay (3' 3; 'gauge) | | 4 (0 | 4 00 |
| Total | 1,710 61 | 5° 50 | 17,311 |

Running powers-

Home line over foreign line -

Tadepalli to Bozwada Madras railway (North Fast line) for passenger and goods trains

2 99

22 (a) Southern Mahratta railway proper (3' 3%" gauge)-

Details of construction-

The open mileage of the Southern Mahratta Railway proper is 1,012 01 miles. This may be divided into (1) main line (Portuguese frontier to Tidepalli) 509 97 miles, and (2) branches, 532 07 miles. Construction was first canciloned in 1879 and the main line was opened through in 1890

Permanent way -The rails in use are of 114-lb, 50 lb and 62-lb flit footed steel. The sleepers are teak, namba and steel trough

Ballast -The line is ballasted throughout the main line and Poona branch with stone, gravel and sand, the Harihar brauch with stone, and the Bijapui branch with stone and gravel

Teneing —The line is only partially fenced

Curies -The sharpest curve on the main line is of 603 feet ridius The sharpest curve on the Poona branch is of 600 feet radius

Gradients -The ruling gradient is 1 in 100, except on the Ghats, between miles 0 and 3 on the mun line, where the gradient is 1 in 40

Terms of contracts-

The Southern Mahratta railway is worked under the following contracts -

Contract of—1st June 1882 —Southern Mahratia Railway Company's principal contract
28th October 1885 —Contract supplemental to that of 1882, for construction and working of the West Decen rulway

> 31st August 1857 -Contract supplemental to those of 1882 and 1885, for construction and working of a line from Rambennur to Harihar and a line from Bellary to Guntakal

> 27th February 1889 -- Contract supplemental to those of 1882, 1885 and 1887, for completion and working of the Belling-Kistna railway

The general conditions of the contracts are as follows -

Government and -Interest in sterling on share capital at 31 per cent is guaranteed and an additional 1 per cent until 31st December 1890

Terms of contract -The contract provides that the Company raise £5,000,000, and that any further moneys required shall be supplied by the Secretary of State

Currency of contracts—The contract is current for a period of 50 years Government may however determine the contract after 25, 35 or 45 years (i.e., on 30th June 1907, 30th June 1917, or 50th June 1927), on one year's previous notice, or on an months' notice given at any time if the Company fails to observe its obligations, or the line is worked at a loss Upon determination of the contract by efflux of time or by notice Government have to repay to the Company the amount of the par value of the share capital paid to Government.

Power of Company to surrender contracts - The Company may determine the contracts on the 30th June in any year, by giving one year's previous notice

Distory of railways constructed and in progress
[For Index see page 106]

Number Ton head 22 Sub heads (a) to (l). SOUTHERN MAHRATTA RAILWAY SYSTEM—contd.

22 (a) Southern Mahiatta iailway proper (3' 3%" gauge)-concld

Terms of contracts-coreld

Terms of morting—Up to the 31st December 1890 after deducting working expenses (which may include any single item of cipital expenditure not exceeding Rs 1,000, or it exceeding Rs 1,000 but not exceeding Rs 2,000, classed as a 'Minor work,' subject to a miximum charge on such account of Rs 23,000 in each half-year and a payment of Rs 40 for every indeed him open to triflic to be made half-yearly to Government for supervision), the net receipts belonged to Government, unless one-fourth part of the same exceeded the extra guarantee of 1 per cent, in which case the amount of the excess was payable to the Company. After 31st December 1890 three-fourths of the net receipts are paid to Government and one-fourth to the Company.

Rates and fares —To be fixed from time to time by the Company with the approval of Government Statisties of working—

| | | | Table I | | | | • | Table II | | |
|--------------------------------------|--|--|---|--------------------------------------|--|--|--|-------------------------------------|---|--|
| Calendar vear | Capital outly to end of each sear | Gross carnings | Net carnings | Percent on capital outlay | Interest | Company s share of net carnings | Gain or loss to the State | Earnings per mile per weel | Proportion of expenses to ournings | |
| 1921 1825 | R4 277,47721 7 C1,40,0.6 | Ps 2 12 059 6,66,226 | Rs 18 131 1,40,238 | 0 38 | Ra 1177,196 19,81,310 | $\mathbf{R}_{\mathtt{S}}$ | Rs 11,95327 18,41,102 | 50 63 | 308 51 83 80 | |
| 15-6 17 16=3 19-0 18-0 | C,1 07,620 7,67,710 + 819,812 5 9,16 > 173 9,52 8,016 | 10,31 919 30 117 45,75616 10 11,704 41,71,095 | 4 83 392 10 0 - (21 9 87 493 9 61,618 9,11 664 | 0 79 1 27 1 01 1 01 0 98 | 20,40,020 31,41 096 31,89 f0 s 32 31,420 81,50,111 | 11,700 80,036 | -21,54,823 -24 60,162 -23,04,012 -23,71,602 -22,54,816 | 92 87 83 88 85 | 69 88 66 01 75 70 76 15 78 19 | |
| 1501 1501 1501 1501 | 9 12,00 011 9 61 10,671 9 40,71,62 9,71,11 106 9,76,67,011 | 47 60,167 41 3, 107 57, 1918 18 0 542 64,68,911 | 16 29,919 19,47 999 99 16 367 20,18 567 20,68,918 | 1 72 1 40 2 13 2 12 2 71 | 8° 90,8°1 31 85 511 8°, 42,179 45 87,198 46,90 200 | 2 58,815 8,14 206 5,31,919 5, 7,556 5,92,407 | -22,18,777 -21,80 778 -17,60 861 -31,26,387 -26,13,740 | 88 82 106 108 119 | 65 76 68 69 59 60 65 44 59 65 | |
| 1697 1697 1693 1693 1693 | 0 (0,01,7-5 0 67,12 6 15 0,71 (** 70 0 78,44 760 0,82,45,271 | 67,12 °30 64,92 310 *0 (1,671 5°,70,16 C1 (1,526 | 29 11,9 9 27,82 625 15 62 111 18 9 ,00_ 22,8 ,366 | 7 03 2 83 1 ,1 1 !1 2 32 | 41 17 740 42,62,556 41 10 275 40,10 557 40 02,119 | 7,23,698 C 97 133 5 41,277 3,51 832 5,81 607 | -2° 57,479 -21,77,391 -31,52,198 -2>,00 887 -23 00,560 | 124 119 93 108 119 | 56 59 56 96 70 33 67 72 64 69 | |
| 1901 1702 1701 1604 1905 | 9 81 61,118 9,5 1 1731 6 68 51 177 9 11 0, 607 10 10, 1,322 | 55,00 471 C170 656 66 72 702 71 18 4 8 71,07,700 | 27 71,174 27 04,003 25 50 721 21 97 523 30,16 473 | 1 75 2 1 2 58 2 72 2 93 | 40,49 851 40 70,615 10 14 983 41 08 930 41,07,602 | 4,9°,728 7 0 3,16 9 6 01 1°3 7 20 960 6,20,761 | -28 01 115 -2' 72 907 -21,45,393 -21 32 169 -17,11,9-3 | 107 119 123 135 141 | 70 30 64 24 61 77 63 29 60 66 | |

22 (b) Bellary-Rayadrug railway (3' 35" gauge)-

The construction of the Bellary-Rayadrug rulway by the agency of the Southern Mahratta Bailway Company has Leen canctioned with the object of increasing facilities for distributing food to the population in the Madras Presidency and of lessening the discoulities and troubles incidental to the period of sourcity

Details of construction-

The line is 33 35 inites long It was sanetioned in 1902 and open d in 1905

Permanent ray —The permanent-way consists chiefly of flut-footed steel rule, weighing between 411 and 39 lbs per yard, laid on teal, jamba and Australian one dyptus sleepers

Ballast -The bill ist consists of brol en stone, sind and moorum

I'er eing -Tue line is unfenced

Curic: -The charpest curve is of 573 feet radius

Gradients -The ruling gradient is 1 in 60

Torms of contract-

The line is world under an agreement (between the Secretary of State and the Southern Mahratta Railway Company) sinctioned under Government of India, Public Works Department (Railways) No 1114 RT, dated the 20th December 1904

The general conditions of the agreement are as follows -

Government and -The line is the property of Government

Currency of agreement —The agreement is terminable at the close of any calendar half-year on twelve months' notice being given by either party

Terms of working — Actual cost with a lump sum charge of 11% and per train mile for lecomotive and carriage and wagen expenses and for Trailie expenses connected with subordinate superintendence, train staff, lighting and general stores, clothing, printing, stationery and tickets

Rates and fares -To be fixed from time to time by the Company with the approval of Government.

History of railroays constructed and in progress [For Index see page 106]

Main head 22 SOUTHERN MAHRATTA RAILWAY SYSTEM-contd Number Enb heads (a) to (l)

22 (b) Bellary Rayadrug railway (3 3%" gruge) -concld

Statistics of working-

| | Table I | | | | | | | | | | | |
|---------------|---|-------------------|-----------------|--|--------------|---------------------------------|----------------|-----------------------------------|--|--|--|--|
| Calendar year | Capital outly to end of the year | Gross carnings | Not carnings | Percentage of net earnings on capital outla, | Interest | Gain or loss to the State | | Proportion of expenses to exemuge | | | | |
| 1905 | Rs 7,70,179 | Rs 17,040 | R9 2,869 | | Rs 14,102 | Rs —16,966 | R ₈ | 116 81 | | | | |

22 (c) Birur-Shimoga railway (3' 3%" gauge)-

Details of construction-

The line is 37 92 miles long Its construction was sanctioned in 1896 and it was opened in 1899

Permanent-way —The permanent-way consists of 414-ib flat footed steel rails on Mysote took sleepers. The Bhadra bridge is laid with 50 lb flit-footed steel rails

Ballast -The line is billasted throughout with stone and sand

Fencing —The line is unfenced except for a very short length

Curves — The sharpest curve is of 1,500 feet radius

Gradients - The ruling gradient is 1 in 89

Terms of contract-

The Hindupur and Birur-Shimoga railways are worked under the following contract :-

Contract of-2nd December 1879 (between His Highness the Maharaja of Mysore and the Southern Mahratta - Railway Company) for maintenance and working

The general conditions of the contract are as follows -

Government and -The lines are the property of the Mysore State

Currency of contract—Either party may determine the contract, on giving twelve months' notice, on the 31st December 1904, or on the 1st January or 1st July in any year thereafter—It not determined sooner, the agreement terminates, without prior notice, on the date the My ore contract of the 31st August 1887 terminates. On the determinates tion of the contract the A'ysore Government resume possession of the rulway and take over the liabilities incurred by the Company on behalf of the railway, and the working stores belonging to the railway at a valuation

Terms of working -The working expenses of the system, excluding expenditure on New Minor Works, are divided between these nalways and the others comprising the system in proportion to their gross earnings. The Company retains the share attributable to these lines (which includes any single item of capital expenditure not exceeding Rs 1,000, or if exceeding Rs 1,000 but not exceeding Rs 2,000, classed as a Minor Work, subject to a maximum charge on such account of Rs 20 per mile of line open in each half-year), and pays the residue to the Mysore Durbar

Rates and fares - To be fixed from time to time by the Company with the approval of Government

Statistics of working-

| | TABLE I | | | | | | | | | | | | Table II | | |
|--------------------------------------|---------------|---|---|---|--|--|----------------|-----------------|----------------------------|---|--|--|--------------------------------------|----------------------------|---|
| | Calondar year | | | | | Capital outlay to end of each year | Gross carnings | Not carnings | Per cent on capital outlay | Exruings per milo per neok | Proportion of exponses to carmings | | | | |
| 1896 1897 1898 1899 1900 | • | • | : | • | | | | | • | R ₄ 2 90 226 6 27,263 15,70 079 20 85 175 22,91,157 | Rs 6,186 66,227 | Rs. , 1 851 24,219 | 0 C9 1 0b | Rs 37 84 | 69 79 63 43 |
| 1901 1902 19:8 1904 1905 | • | • | • | | | | | • | • | 24 01,338 24 01 067 24 07,802 24 06 391 23 98 543 | 62,058 61,006 61,520 68 224 60,672 | 16,993 28 367 24 206 24 628 31,102 | 0 71 0 97 1 01 1 02 1 20 | 31 33 31 35 41 | 72 62 63 87 60 65 63 90 61 45 |

29 (d) Guntakal-Mysore frontier railway (3' 3%" gauge)—

Details of construction-

The line is 119 50 miles long

It's construction was sanctioned in 1889 and it wis opened in 1893.

Permanent way —The permanent-way consists of 411-th. fiat-footed steel rails on steel trough sleepers

Ballast -The line is baliasted throughout with stone

Fencing — The line is partially fenced Curies — The sharpest ouive has a radius of 600 feet.

Gradients -The ruling gradient is 1 in 100,

History of railways constructed and in progress.

[For Index see page 106]

Number Mun head 22 Sub heads (a) to (1) SOUTHERN MAHRATTA RAILWAY SYSTEM—contd

22 (d) Guntakal-Mysole Frontier railway (3' 3%" gruge)—concld

The Guntal al-Mysore Frontier railway is worked under the following contract -

Contract of -21st August 1598 (between the Secretary of State and the Southern Mahratta Railway Company) for construction and working

The general conditions of the contract are as follows -

Government aid - The line is the property of Government

Currency of contract -The same as in the ease of the Southern Mahratta rulway

Power of Company to surrender contract -The same as in the case of the Southern Mahratta railway

Terms of working—The working expenses of the entire system of railways worked by the Company (including this railway), exclusive of Government supervision charges of the Southern Mithratta railway and the Mysore section, are divided between this railway and the other railways worked in proportion to their gross receipts. This railway's share of the working expenses is retained from its gross receipts. The residue is paid to Government.

Rates and fares - To be fixed from time to time by the Company with the approval of Government.

Statistics of working-

| | | TABLE II | | | | | | |
|--------------------------------------|---|--|--|--------------------------------------|--|---|---------------------------------|---|
| Calondar year | Capital outlay to end of each year | Gross earnings | Net carnings | Per eent on capital outlay | Interest | Gun or loss to the State | Earmogs per mile per week | Proportion of oxpenses to earnings |
| 1893 1894 1895 | Rs 58,39 606 58 53 114 58,71 739 | Rs 1,97,374 3,689,1 4,39,329 | R9 78 955 1 27 874 1,81,657 | 1 35 2 18 3 09 | Rs 4 67,933 2 34,529 2 34 639 | Rs -3 88 978 -1,06 655 -52 982 | Rs 38 59 71 | 60 00 65 84 58 65 |
| 1896 1897 18 8 1809 1900 | 59,00,158 59 02 498 58 93 866 58,98,608 59,00,046 | 4,60 992 6,38 278 4 25 702 8,81 829 4,36,116 | 2,10 690 2 75 983 1,32,471 1 28 159 1 57,857 | 3 57 4 68 2 25 2 18 2 68 | 2 35 666 2 36 000 2 36,026 2 3, 196 2,35,960 | -24,926 + 39,933 -1 03 55 -1,07 537 -78,123 | 77 103 69 62 70 | 56 20 56 76 68 83 66 62 63 81 |
| 1901 1902 1903 1904 1905 | 59,02,588 59,04,714 59,07,192 59,14 170 59,21 993 | 4 47,313 4,73,972 4 96 481 7,54 378 8 07 874 | 1,36,659 1 74 920 1 97,075 2 73 879 3 31 829 | 2 32 2 97 3 34 4 63 7 60 | 2 36 115 2 86 107 2 36 227 2,30,372 2 36 752 | -99 456 -61,787 -39 152 +37 507 +98,077 | 72 76 80 121 130 | 69 45 63 22 60 31 63 69 53 53 |

22 (e) Hindupur (Yesvantpur-Mysore frontier) railway (3' 3%" gauge)—

Details of construction-

The line is 51 35 miles long Its construction was said tioned in 1890 and it was opened in 1893

Permanent-way — The sails on the ghat section are 50-lo flat-footed steel, State railway type, and 411-lb flat footed steel on the semander of the line The sleepers are My-ore teak throughout

Ballast -The line is ballasted throughout with stone

Fencing -The line is fenced throughout

Curves -The sharpest curve has a radius of 660 feet

Gradients - The ruling gradient is 1 in 100 with a 1 in 89 gradient on the ghat section

Terms of contract -See under Birur-Shimoga railway, 22 (c)

| | Table I | | | | Тав | LE IL |
|--|---|--|--|--|--|--|
| Calendar year | Capit il outlay to end of each year | Gross earnings | Net errnings | Per cent on capital outlay | Earniogs per mile per week | Proportion of expenses to earnings |
| 1892 1893 1891 1895 1896 1897 1898 - 1890 1900 - 1901 1902 1908 1908 1904 1905 | Rs 24 11,741 24,46,186 21,31,99 24,19,698 23 94,762 24 79,210 24 98,316 24,98 1h2 24,98 1h2 24,98 24 24,81,92 24,98,92 24,98,98 | Rs 57,635 1,61,704 1,92,159 2,23,800 2,69,527 1,80,681 1,49,363 1,83,163 1,97,798 2,12,186 2,42,67,23 3,73,993 | R= 22 708 56,501 79,886 99,502 1,18,358 50 518 67,135 60,724 77,908 96,150 1 33,711 1,54,672 | 0 93 2 32 3 30 4 16 4 77 2 26 2 02 2 69 2 43 3 12 3 62 5 37 6 22 | Rs 33 61 72 84 101 67 56 70 74 80 41 138 140 | 60 60 65 06 55 43 55 50 56 09 68 66 66 17 64 32 69 51 69 35 69 51 69 36 63 66 58 59 |

History of railways constructed and in progress. [For Index see page 106]

Main head 22 SOUTHERN MAHRATTA RAILWAY SYSTEM-conld Number Snb heads (a) to (l)

22 (f) Hospet-Kottur railway (3' 3\square)-

The same remarks apply to it as are made against the Bellary-Rayadrug railway, 22 (b).

Details of construction-

The line is 43 06 miles long Its construction was sanctioned in 1902 and it was opened in 1905.

Permanent-way —The permanent-way consists of 411-lb flat footed steel rails, on pinc, jamba and teak sleepers.

Ballast -The line is being ballasted with gravel and stone.

Fencing -The line is unfenced

Curves -The sharpest curve is of 575 feet radius

Gradients -The ruling gradient is 1 in 60

Terms of contract-

The same as apply to the Bellary-Rayadrug railway, 22 (b)

Statistics of working-

| | - Tabl | E II | | | | | | |
|---------------|-----------------------------------|-------------------|----------------|------------------------------------|--------------|--------------------------------|----------------------------------|---|
| Calendar year | Capital cutlay to cud of the year | Gro^s carniags | Not carmogs | Percentage on capital outlay | Interest. | Gun or loss to the State | Earnings per mile per week | Proportici of expense to carnings |
| 1905 | 13,81,630 | Rs 29,230 | Rs 6,975 | | Rs 45,212 | Rs —55,217 | 17 | 123 86 |

22 (g) Kolhapur railway (3' 3%" gauge)-

Details of construction-

The line is 29 27 miles long — Its constitution was sanctioned in 1883 and it was opened in 1891

Permanent-way -The permanent-way consists of 411-16 flat-footed steel halls on steel though sleepers

Ballast -The line is ball isted throughout with gravel and sand

Fencing — The line is unfenced except for a very short length Curves — There are no curves with a ladius of less than 1,000 feet

Gradients -The ruling gradient is 1 in 100

Terms of contract-

The Kolhapur tailway is worked under the following contract .

Contract of -17th July 1891 (between the Kolhapur Durbar and the Sonthern Mahratta Railway Company) for muntenance and working

1)

The general conditions of the contract are as follows -

The general conditions of the contract are as follows

Government and—The line is the property of the Kolhapur State

Currency of contract—The contract may be terminated, upon six months' notice, by either party

Terms of working—The working expenses of the system, excluding Government supervision charges and New

Minor Works, are divided between this railway and the others comprising the system in proportion to their gross carnings

The Company retains the shale attributable to these lines (which includes any single item of capital expenditure not exceeding Rs. 1,000, or if exceeding Rs. 1,000 but not exceeding Rs. 2,000, classed as a 'Minor Work,' subject to a maximum charge on such account of Rs. 20 per mile of line open in each half-year), and pays the residue to the Kolhapur Durbar

Rates and fares -The same as in force on the Southern Mahiatta railway

| | | מ | ABLE I | | | | TABI | LE II |
|--------------------------------------|--------|---------|---|--|--|--------------------------------------|----------------------------------|---|
| | Calend | ar year | Capital nutlay to end of cach year | Gross carnings | Net caraings | Per cent on capital oatlas | Earnings per mile per week | Proportion of expenses to earnings |
| 1889 1890 | | | Rs 13,59,602 21,37,699 | Rs | Rs | | Re | ` |
| 1891 1892 1993 1894 1895 | • | | 23,16,183 23,81,946 23,21,667 23,45,817 23,69,206 | 58,381 90,393 1,83,093 1,23,340 1,21,147 | 20,866 29,182 49,991 43 732 51,006 | 0 90 1 23 2 15 1 89 2 15 | 60 55 78 32 80 | 64 26 67 72 57 67 64 64 57 90 |
| 1896 1897 1898 1699 1900 | • | Ç | 23,05,912 23,21,837 28,94,807 23,24,807 23,24,807 | 1,21,655 94,630 78,271 99,195 1,24,215 | 54,305 41,931 21,201 33,956 44,875 | 2 S5 1 80 1 04 1 46 1 93 | 80 63 52 66 82 | 55 36 55 34 69 03 65 74 68 87 |
| 1901 1902 1903 1904 1905 | | | 23,24,807 23,25,587 23 26 188 23 26 251 23 26 251 | 1,14,114 1,23,913 1,21,957 1,41 676 1,70,404 | 85,750 46 107 48,053 53 228 69,432 | 1 54 2 00 2 07 2 29 2 98 | 75 81 80 93 112 | 68 67 62 55 60 60 62 43 59 25 |

History of railways constructed and in progress.

[For Indox see page 106]

Number Main head '2 Southern

SOUTHERN MAHRATTA RAILWAY SYSTEM—contd

22 (/) Mysore-Nanjangud railway (3' 3% gauge)-

Details of construction-

The line is 15 80 miles long It was opened in 1891

Permanent-way —The permanent-way consists of 412-lb flat-footed steel rails, mostly on Mysore teak with a mixture of jamha sleepers

Ballast -The line is ballasted throughout with stone and sand

Fencing -The line is partially fenced

Curves - The sharpest curve has a radius of 700 feet

Gradients -The ruling gradient is I in 100

Terms of contract-

The Mysore-Nanjangud railway is worked under the following contract -

Contract of-11th December 1899 (between His Highness the Maharaja of Mysore and the Southern Mahratta Railway Company) for working.

The general conditions of the contract are as follows -

Government and -The line is the property of the Mysore State

Currency of contract—The contract is terminable on the 1st January or 1st July in any year, on six months' notice by either party. If not terminated sooner, this agreement terminates on the date on which the Mysore contract of the S1st August 1857 terminates. On determination, the Company makes over to the Mysore Government the railway and works and pays to that Government all moneys on account of the railway, the Government indemnifying the Company against all debts and liabilities incurred on account of the railway then subsisting. The working stores, if mutually agreed upon, to be talen over by the Mysore Government at a valuation.

Terrs of working—After deduction of expenditure on now minor works, which is debited to each rulway direct, from the total working expenses of the Company's rulway system, the balance is divided between this rulway and the other rulways compared in the Company's system in the proportion which the gross receipts of this rulway bear to the gross receipts of such other rulways, and the sum so recruined, together with any single item of capital expenditure not exceeding Rs 1,000, or if exceeding Rs 1,000, but not exceeding Rs 2,000, classed as a 'Minor Work' subject to a maximum charge on such account of Rs 20 per mile of luc open in each half year, representing the working expenses of this rulway, is retained by the Company, and the residue paid to the Mysore Government

Rates and fares - To be fixed by the Company with the approval of Government

Statistics of working-

| | | TABL | r I | | | | TAB | re II |
|--------------------------------------|--|------|--|--|---|--------------------------------------|----------------------------------|---|
| Calondar year | | | Capital outlay to end of each year | Gross Orraings | Net crrnings | Per cent on capital outlay | Earnings per mile per week | Proportion of expenses to earnings |
| 1872 1873 1674 1895 | | • | R* 5 92,414 6,18,551 6,07,915 6,09,212 | R4 16 178 23 812 57,119 29,160 | 1'4 6,163 14,001 12,806 16,432 | 1 03 2 26 2 13 2 69 | Rs 21 43 47 49 | 62 60 58 59 65 65 5, 98 |
| 1896 1897 1893 1899 1900 | | | C,CD 681 6,74,761 6,47,521 6,17,9 1 6,53,741 | £0 322 83,197 31,193 16,610 80,660 | 17,12, 14,265 10,124 5,671 11,357 | 2 81 2 25 3 57 0 68 1 71 | 50 42 40 21 38 | 56 45 57 41 67 85 66 26 63 20 |
| 1901 1902 1903 1904 1905 | | | 6 56,462 6 76 162 6 56 462 6,57 463 6,56,412 | 28,302 29,810 31,923 33,813 41,174 | 7,863 10,935 12,687 11,104 18,015 | 1 20 1 67 1 93 2 10 2 74 | 85 86 89 47 54 | 72 22 63 38 60 26 62 95 59 22 |

22 (1) Mysore Section (Southern Mahratta) (3' 32" gauge)-

Details of construction-

The line, which connects My sore with Haribar, is 296 22 miles long. First sanction to its construction was given in 1877 and it was opened through in 1839.

Permanent-way —The permanent way consists of 111 lb flat footed steel rails, with the exception of about 25 miles which are laid with iron rails. The rails are laid on Mysore teak sleepers with a small proportion of jamba and steel trough sleepers.

Ballast .- The line is ballasted throughout with stone and sand

Fencing -The line is only partially fenced

Curves —The sharpest curve has a radius of 660 feet
Gradients.—The ruling gradient is 1 in 100 between Haribar and Bangalore, and 1 in 70 between Bangalore and
Mysore

Terms of contract-

The Mysore section is worked under the following contract —

Contract of—31st August 1887 (between the Secretary of State and the Southern Mahratta Railway Company) for construction, maintenance and working.

History of railways constructed and in progress.

[For Index see page 106]

Main head 22 SOUTHERN MAHRATTA RAILWAY SYSTEM—contd. Number Sub heads (a) to (l)

22 (1) Mysore Section (Southern Mahratta) (3' 33" gauge)-concld

Terms of contract-concld

The general conditions of the contract are as follows -

Government and —Guarantee of interest in sterling at 4 per cent on £1,200,000 debenture stock

Terms of contract—To meet the cost of constructing the Gubbi-Hailhar extension, the Company raised £1,224;000, by the issue of debenture stock for the nominal amount of £1,200,000. The stock is redeemable on or after the 1st March 1936. The contract provides that the Company may raise £1,224,000, and that any turther moneys required be supplied by the Secretary of State. All moneys whatsoever received by or on behalf of the Company in respect of the supplied by the Secretary of

undertaking are the absolute property of the Secretary of State during the continuance of this contrict

Currency of contract—Government may determine the contract at any time, on six months' notice, should the Company ful to observe its obligations, or the line be worked at a loss. It is also provided that should the Company's contract for the Southern Mahratta inliving system he determined, then this contract will also be determined. On the termination of the contract, the Secretary of State if so required by the Company, takes over all liabilities in respect of the debenture stock is used by the latter (which is not redeemable until the 1st March 1986)

Pager of Company to surrender contract—Nil

Power of Company to surrender contract — Nil

Terms of worling — After deducting working expenses, (which may include any single item of capital expenditure not exceeding Rs 1,000, or if exceeding Rs 1,000 but not exceeding Rs 2,000, classed is a 'Minor Work,' subject to a maximum charge on such account of Rs 20 per mile of line open in each half-year), the net receipts are divided in proportion of three-fourths to Government and one-fourth to the Company
Rates and fares —To be fixed from time to time by the Company with the approval of Government

Statistics of working-

| | | | TABL | ΕI | | | | | ТАТ | ere II |
|--------------------------------------|---------------|---|---|--|--------------------------------------|--|--|---|----------------------------------|---|
| | Culendar year | Capital outlay to end of each year | Groes earmings | Net earnings | Per cont. on capital outlas | Interest | Company s share of not carnings | Gain or loss to the State | Earnings por milo per week | Proportion of earnings |
| 1879 1850 | • | R9 7,98 213 21,37,736 | \mathbf{R}_{8} | Rs | | Rs 23,960 68,008 | Rs | R ₉ -23,960 -68,908 | Rs | |
| 1881 1882 1883 1884 1885 | | 36,56 345 45 95,058 57,09,057 62,04,620 64,89,346 | 1,31,525 2,58,390 3 02,895 3 61,448 4,83,954 | 58,753 1,03,495 99,675 1,65,479 2,07,784 | 1 47 2 25 1 78 2 64 3 20 | 98 912 1,68,939 2,19,351 2,41,052 2,51,730 | | -15,159 -65,194 -1,19,676 -75,573 -48,916 | 51' 68 67 67 60 | 59 13 64 11 67 09 54 22 52 12 |
| 1886 1887 1888 1889 1890 | | 71,95,111 91,36,1°8 1,25,76,692 1,21 '4,093 1,17,11,610 | 4,69,274 5,13,784 5,70,657 8,96,273 11,56,318 | 1,05,385 1,11,198 52,295 2,22 034 2,61,700 | 1 48 1 55 0 42 1 54 0 02 | 5,57,101 6,70,801 6,94,210 7,07,500 6,48,783 | 47,96 <u>4</u> 52,831 | -4,51,719 -529,616 -6,41,915 -5,93830 -4,39,864 | 65 71 79 72 77 | 59 04 71 60 76 28 75 23 77 94 |
| 1891 1892 1893 1894 1895 | | 1,50,76 285 1,46,36,205 1,46,49,17 1,47,60,293 3,19,22,452 | 13,21,525 13,99,468 16,83,203 14,45,412 15,78,281 | 4,43 717 4,47,906 6,74 705 4 76,156 6,30,769 | 2 94 3 06 4 61 3 23 4 23 | 6,54,850 7,29,624 7,70,499 8,39,525 8,70,947 | 96,004 1,01,805 1,64,670 1,43,566 1,23,096 | -3,07,137 -3,81,029 -2,60,104 -5,05,935 -3,63,274 | 86 89 109 94 108 | 66 50 67 92 59 92 66 99 59 72 |
| 1896 1847 1898 1899 1900 | | 8,51,08 257 1,51 99,757 1 55 07,319 1 56 75 416 1 58 70 510 | 15 84,981 18,80,019 13,92,851 10,60,469 13,76,891 | 676873 7,95,147 4,13,421 3,20,038 4,71,01 | 4 48 5 23 2 67 2 10 2 97 | 8,21,588 7,75,708 7,38,461 7,21 117 7,18,200 | 1,71,768 1,80,992 1,66,986 7,,561 1,11,070 | -3,16,483 -1,61,553 -4,92 026 -4 68 915 -3,58,069 | 103 122 90 69 89 | 57 29 57 54 70 32 68 97 65 77 |
| 1901 1902 1905 1904 1905 | | 1 60 14 879 1 60 70 009 1,62 °4 903 1 62,59 794 1 64,78,981 | 14 33,240 15 97 046 15,35 270 15 85 321 17,90,001 | 4 07,791 5 58 082 5 83 298 5 63 66, 6,98,051 | 2 55 3 47 3 59 3 47 4 24 | 7,22 224 7,21 062 7,20 000 7,20 000 7,20,000 | 1,07,697 1,16 979 1,46,8°6 1,52,391 1 37,682 | -4,22,150 -2,79,959 -2,84,598 -3,08,724 -1,59,631 | 93 101 100 103 116 | 71 55 65 00 62 07 64 44 61 02 |

22 (1) West of India Portuguese 1 ailway (3' 3%" gauge)

The line was constructed with the object of connecting the British and Portuguese territories and of affording the Southern Mahratta country a harbour on the West Coast The Southern Mahratta railway took over the working of the line as from the 1st July 1902

Details of construction-

The line runs from the Poituguese frontier to Mormugio, and is 51 10 miles long. Its construction was sanctioned in 1881 and it was opened through in 1888

Permanent-way — The permanent-way throughout consists of 62-lb flat-footed steel rails on creosoted pine, sal, teak ana jamba sleepeis

Ballast .- The line is bullasted throughout with laterite and blue stone

Fencing -The line is partially feneed

Curves - The sharpest curve is of 720 feet radius

Gradients - The ruling gradient is 1 in 100 with a 1 in 40 on the Ghat section,

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 22 Sub heads (a) to (l)

SOUTHERN MAHRATTA RAILWAY SYSTEM-confd

22 (j) West of India Portuguese railway (3' 33"gauge)—concld Terms of contracts—

The West of India Portuguese railway is worked under the following contracts -

Contracts of—18th April 1881, modified by the contract of 19th December 1892 (between the Portuguese Government and the West of India Portuguese Railway Company) for the construction of a harbour at the Port of Mornugao and a railway from Mornugao to the Portuguese Frontier

21st August 1902, between the Southern Mahratta Railway Company and the West of India Portuguese
Railway Company for the maintenance and working of the railway from Mormugao to
the Portuguese Frontier, and the harbour at the Port of Mormugao

The general conditions of the contracts are as follows -

Government (Portuguese) and —5 per cent per annum is guaranteed to the West of India Portuguese Railway Company on £800,000 and 6 per cent on £550,000

Currency of contracts—The contract of 1881 is current for a period of 99 years from date of opening, when the line and all its appurtenances become the property of the Portuguese Government by payment to the Company of the value of rolling-stock, moveable machinery, stores, etc. The Portuguese Government may, however, determine the contract, at any time, on six months' previous notice, by payment in sterling of the actual outling of the Company on the railway, telegraph and other works, with 10 per cent added thereto, together with the then value of rolling-stock, machinery, station appliances and stores. The contract of 1902, between the Southern Mahratta and the West of India Portuguese Railway Companies, which took effect from the 1st July 1902, is to continue in force for five years, subject to amendment or determination after two years on six months' notice by either party

Power of Company to surrender contract —By the contract of 1881 as modified by that of 1892 the West of India Portuguese Railway Company may at any time surrender the contract by giving six months' notice if the Portuguese Government fail to pay in full the interest guaranteed on its capital. On surrender of the contract the Portuguese Government are to pay to the Company in sterling an amount equal to the total capital expended on the railway, telegraph, etc, and in addition 10 per cent of such expenditure, and also purchase the rolling-stock, machinely, etc, at a valuation

Terms of working by Southern Mahratta Railway Company — The West of India Portuguese and the Southern Mahratta iailways are worled as one concern, and the expenses of the system, (exclusive of expenditure on 'New Minor Works' and of interest phyable by the Southern Mahratta railway on the capital cost of telegraph lines), are divided in proportion to their gross earnings, the net earnings to be applied—in payment of a contribution sanctioned by the Portuguese Government towards a reservo fund, in payment of the guaranteed dividends on the capital of the Company, and in payment of the residue to the Portuguese Government and the Company in equal proportions

The contract of 1902 provides that a separate account be kept of the revenue transactions at the Port of Moimugao, and the amount to be charged for working to be the actual expenses of working and maintenance, plus 10 per cent theicon for supervision by the Southern Mahratta railway, subject to the provision that the relation of the aggregate expenses of working—including supervision—to the total receipts shall not exceed, without the sauction of the West of India Portuguese Railway Company, the mean of the figures which represent the relation of such expenditure to receipts during the years 1895, 1896 and 1899, should any such excess occur it is to be annualled or reduced as much as possible by a corresponding diminution in the charge for supervision

Rates and fares —Subject to the maxima prescribed in the contract between the Portuguese Government and the West of India Portuguese rulway and to the maxima and minima prescribed in the contracts between the Secretary of State and the Southern Mahratta railway, the rates both for through and local working shall be fixed from time to time by the Southern Mahratta railway and shall be applicable to the whole system

The shipping and port charges to conform with those in force under the Bombay Port Trust, and not to exceed those charges without the mutual consent of the British and Portuguese Governments

Statistics of working—

| | TABLE I | | | | Таві | Table II | |
|--------------------------------------|--|--|--|--------------------------------------|-----------------------------------|---|--|
| Calendar year | Canital outlay (in oluding on tlay on Harbour works) to ond of each year | Gross earnings | Net earnings | Per cent on capital outlay | Earnings per milo per week | Proportion of expenses to carnings | |
| | Rs | Ra | Rs | | Re | | |
| 1890 | 1,63,14,170 | 4,75,437 | 67,001 | 0 41 | 138 | 71 24 | |
| 1891 1892 1893 1894 1895 | 1,53,22,139 1,63 60,991 1,62,74,816 1,63,12,813 1,63,31,960 | 5 44,014 8,74,61 5 86,705 5,43 673 5,63,077 | 1,21,5°3 11,107 1,65,069 1,1° 332 1,12,136 | 0.74 0 07 1 01 0 73 0 69 | 157 109 168 157 166 | 86 01 106 01 78 18 60 47 '0 75 | |
| 1896 1897 1898 1899 | 1,63 80,441 1,63,40,168 1,62,97,448 1,62 91,432 1,63,29,262 | 2,97,176 1,79,729 2, 0,870 5,72,475 0,83,596 | -78,593 -1,60,785 -1,10,145 1,61,665 -66 845 | 1 01 | 90 55 65 157 96 | 137 34 159 40 173 60 83 15 170 04 | |
| 1901 1902 1903 1904 1905 | 1,63,42,023 1,63,03,703 1,63,03,703 1,63,08,703 1,63,20,269* | 4 68,120 3,54,657 3,96,235 4 99 786 4,44,519 | -48,589 51,387 1,51,112 1,8 414 1,77,953 | 0 37 1 10 1 33 1 09 | , 205 103 149 184 167 | 11 } 20 85 51 61 86 62 55 59 97 | |

History of rarlways constructed and in progress.

[For Index see page 106]

Main head 22 SOUTHERN MAHRATTA RAILWAY SYSTEM—concld Number Sub heads (a) to (1)

(1) Bezwada-Masulipatam (3' 33" gauge)—

This railway will be 49 50 miles long It was sanctioned in 1905 and is under construction

(l) Sangli (3' 33" gauge)-

This railway (Miraj Junction to Sangh town) will be 400 miles long. Its construction from funds supplied by the Sangh Durbar was sauctioned in 1905

Main head 23 - UDAIPUR-CHITOR RAILWAY (3' 32" gauge)-Snb head (a)

Running powers-

Home line over Foreign line —

Miles

Rajputana-Malwa railway, Beiaeli to Chitor

142

The line is owned by the Udaipur State It was worked by the Bombay, Baroda and Central India railway as a temporary measure up to the 31st December 1897, since which date it has been worked by the Udaipur State Details of construction-

This line is 67 30 miles long Its construction was sanctioned in 1894 and it was opened through in 1899.

Permanent way — The permanent-way consists of 411 lb flat-footed steel rails lud on deodar sleepers

Ballast — The ballast consists of broken stone

Fencing — The line is fenced round stations only

Curves -On the Berach-Debart section the sharpest curve is of 1,146 feet radius, and on the extension from Debart to the Ahı river neir Udaipur, at the 61st mile, the sharpest curve has a radius of 820 feet

Gradients —The ruling gradient is 1 in 120, except on the section Debari to Udaipur where it is 1 in 100.

Terms of contract-

The line is owned and worked by the Udaipui State

Statistics of working-

| | | Table I | | | | | Тав | LR II |
|--------------------------------------|---------------|---------|---|--|--|---------------------------------------|----------------------------------|---|
| | Calendar year | | | Gross | Net earnings | Per cont. on expital outlay | Earnings per milo per week | Proportion of oxponsos to earnings |
| | | | Rs | Rs | Rs | | Rs | |
| 9893 1894 1895 | • | • | 7 000 2 70 472 13,39,850 | | 18,778 | 140 | 42 | 65 67 |
| 1896 1897 1898 1899 1900 | • | | 15,63 721 15 99 040 17,89,252 19 87 912 19 80,010 | 1,95 219 1,23,175 1 49 622 2 10 540 3,17,928 | 53,750 42,881 61,364 1,04,829 1,85,703 | \$ 44 2 68 3 43 5 27 9 38 | 43 39 46 62 91 | 60 25 65 19 57 33 50 21 41 59 |
| 1901 1902 1903 1904 1905 | | | 20 61 858 20 65 630 20 66,171 20 66,093 20,67,464 | 2,22,175 2 17 988 1,77,817 1 51 293 2,07 927 | 94 112 97 131 66 446 53 175 1 03,552 | 4 56 4 70 8 21 2 57 5 00 | 63 62 51 43 119 | 57 65 55 82 62 63 64 66 50 19 |

Number Main head 24 Sub head (a) BARASET-BASIRHAT LIGHT RAILWAY (2' 6" gauge)-

Details of construction-

The line is 26 06 miles long
Its construction was sanctioned in 1903 and it was opened in 1905

Permanent-way -The permanent-way consists of 30 lb flat-footod steel iails on pyinkado, sal and Australian Jarrah wood sleepers

Ballast -The line is ballasted with broken brick

Fencing — The line is unfonced Curves — The sharpest curve has a radius of 400 feet.

Gradients - The ruling gradient is 1 in 250

Terms of contract-

The line is worked on the terms contained in the Bengal Government Notification No 86 R, dated the 15th May 1903, under the following agreement .

Agreement—of 14th Docember 1897 (between the District Board of the 24-Parganas and the Baraset-Basirliat Light Railway Company)

The general conditions are as follows

Aid by District Board - The District Board guarantees such an annual subsidy as will make the net profits equivalent to Rs 1,500 per annum per mile of line declared opon, subject to a maximum of Rs 38,000, and allows the free use of the District road not exceeding 8 feet on one side (The Company to acquire at its own expense land necessary for stations and diversions)

Currency of agreement - Upon the expiration of twenty-one years from the date of the order authorising the construction, by giving six months, notice, or at intervals of seven years thereafter, the District Board can exercise the right of purebase on payment of twenty times the average yearly net earnings of the four years preceding, together with a bonus

of twenty per cent. thereon

Bistory of railways constructed and in progress. [For Index see page 106]

Number Mun head 21 Sub head (a) BARASET-BASIRHAT LIGHT RAILWAY (2' 6" gauge)-concid.

Terms of contract-concld

Terms of working -Any surplus profits in excess of 4 per cent on share capital plus not more than 4 per cent on debenture capital are equally divided between the District Board and the Company

Rates and fares - Certain maxima have been fixed within which the Company may vary its rates.

Statistics of working-

| | | | | Table I | | ······································ | | TABLE II | |
|---------------|--|-------------------|-----------------|----------------------------------|-----------------------------------|--|---|----------------------------------|-------------------------------------|
| Calendar year | Capital outly to end of the year | Gross earnings | Net enrnings | Por oent on capital outlay | Subsidy from District Board | Tofal income | Percentage of total in come on capital outlay | Earnings per mile per week | Proportion of expenses to earnings. |
| 1905 | Bs 9,06,310 | Rs 1,11,202 | Rs 55,675 | 6 07 | Bs5,394 | Rs 50,231 | Bs 555 | Rs 90 | 49 93 |

Number Main head 25 BARSI LIGHT RAILWAY (2' 6" gauge)—

Details of construction-

The mileage of the open line is 27 93 miles Its construction was sanctioned in 1895 and it was opened in 1897. There are, in addition, 51 03 miles under construction

Permanent way — The permanent way consists of 35 lb flat-footed steel rails on steel sleepers.

Ballast — The hoe is billasted with stone and moorum

Fencing — The line is unfenced, except for a short distance on either side of level crossings and at bridges. Barsi Road Junction and Barsi Town stations are also fenced.

Gurves — The sharpest curve has a radius of 450 feet

Gradients — The ruling gradient is 1 in 100 There are, however, two steeper gradients, one of 1 in 89 and the other of 1 m 90

Terms of contracts-

The Barsi Light railway is worked under the following contracts -

Contracts of-1st August 1895 (between the Secretary of State and the Barsi Light Rulway Company) for construction, maintenance and working the line from Barsi Road Junction to Barsi town

26th August 1902 (between the Secretary of State and the Barsı Light Railway Company) for construction and working of the extensions

4th December 1905, supplemental to that of 26th August 1902

And Despatch from Secretary of State, No 51 Railway, dated the 8th July 1904, regarding the grant of extension of the term at the end of which the option of purchase may be exercised.

The general conditions are as follows .

Government and -Tho Company is allowed the use of part of the road between Barsi Town and Barsi Road Junction

Land is provided free for the extensions

Currency of contracts—Government may determine the contracts on the 1st January 1944, or at the expiration of any subsequent period of 10 years, by giving 12 months' notice If the contract is so determined, Government are to pay the Company in England in sterling in amount equal to the total paid-up capital, so far as such capital was expended with the authority of the Sceretiry of State

Power of Company to surrender contracts - Nil

Terms of working —The line is worked by the owning company
Rates and fares.—Certain maxima have been fixed within which the Company is permitted to vary its rates

Statistics of working— TABLE II TABLE I Capital outlay to ond of each year Proportion of Net carnings Per cent on capital ontlay Earnings per milo per week. expenses to carnings. Gross carrings Calondar year R_{S} Rs 2,357 Rs Rs 1895 10,06,657 80 00 81 15 16°6 1897 1898 1899 1900 115 116 139 111 13,43,891 13,42,592 13,56,809 1,07,778 1,30,321 1,56,118 21,560 24,559 61,475 1 83 4 75 3 13 58 63 65 90 13,56,501 1,21,440 42,440 6 13 4 02 4 24 4 93 4 96 52 69 64 81 59 13 150 12 99,589 1,68,238 134 116 149 195 1901 18,18,242 12,59,175 13,18,293 52,879 53,423 64,952 1,50,275 1,30 694 1902 1903 1.66 934 29,18,907 2,19,478 1,39,618

History of railways constructed and in progress.

[For Index see page 106]

Number Nam head 26 Sub head (a)

BUKHTIARPORE-BEHAR LIGHT RAILWAY (2'6" grugs)-

The line, which has been laid as far as possible on the District road, is 1850 miles long. Its construction was sanctioned in 1901 and it was opened in 1903

Permanent-way — The permanent-way consists of 30-lb flat-footed steel rails laid on pyinkado sleepers

Ballast - The ballast consists of broken stone, except in the first few miles where a portion of the packing has been done with broken brick

Fencing —The line is unfenced Gurves —The sharpest curve has a radius of 260 feet

Gradients -The grades are easy, except at bridge approaches and up through the village of Chero where the grade 18 1 in 100

Terms of contract-

The railway has been constructed and is worked on the terms contained in Bengal Government Notification No. 100 R, dated the 25th June 1901, under the tollowing agreement -

Agreement of-21st August 1899 (between the District Board of Patna and the Bukhtiarpore-Behar Light Railway Company)

The general conditions are as follows

Government and -In addition to land, which has been provided free of charge except for station sites and diversions from the district road, the District Board supplements the net earnings, subject to a maximum limit of Rs. 32,000 per annum, to allow of the Company paying a dividend of 4 per cent per annum on the Company's share capital of Rs 8,00,000

Currency of agreement —In the event of the District Board exercising the right of purchase under section 41 of the Bengal Act, III of 1883, viz, upon the expiration of twenty one years from the date of the order of the Local Government, authorising the construction of the line, by giving six months' notice, or at intervals of 7 years thereafter, the value to be calculated at 20 years' murchase of the construction of the line, by giving six months' notice, or at intervals of 7 years thereafter, the value to be calculated at 20 years' purchase of the average net profits to the Company during the four years preceding the transaction. together with a bonus of 20 per cent thereon

Terms of working —Any surplus profits in excess of 4 per cent on share capital, plus not more than 4 per cent on debenture capital, are equally divided between the District Board and the Company

Rates and fares —Certain maxima have been fixed within which the Company is permitted to vary rates

Statisties of working-

| Table I | | | | | | E II |
|----------------------|--|--|----------------------------------|----------------------------------|----------------------------------|------------------------------------|
| Calendar year | Capital ontlay to end of each year | Gross carnings | Net earnings | Per cent on capital outlay | Earnings per mile per week | Proportion of exponses to carnings |
| 1903 1904 1905 | Re 7,47 838 8 10 059 8,11,338 | B ₉ 35 800 1 13 530 88,661 | Rs 15,120 65,963 35,410 | 2 16 8 14 4 37 | R ₈ 74 181 92 | 57 77 41 90 60 03 |

Number Main head 27 Sub nead (a)

CUTCH STATE RAILWAY (2' 6" gauge)-

Details of construction-

opened in 1905

There are, in addition, 25 38 miles (Anjar to Bhuj) under construction

Permanent-way — The permanent way consists of 30 lb flat-footed steel ials on half round jungle teak sleepers

Ballast -The line is ballasted with stone

Fencing -The line is unfenced

Curves -The sharpest curve is of 359 feet radius

Gradients .- The ruling gradient is 1 in 200

Terms of contract-

The line is owned and worked by the Cuteb State.

| TABLE L | | | | | TABLE II | |
|---------------|-----------------------------------|-------------------|-----------------|----------------------------------|-------------------------------|------------------------------------|
| Calondar yoar | Capital outlay to end of the year | Gross earnings | Net earnings | Per cent en capital outlay | Earninge per mile per week | Proportion of expenses to earnings |
| | Rs | Rs | Rs | | Rs | |
| 1205 | 4,25,731 | 22,367 | 15,864 | 3 72 | 59 | 29 07 |

History of railways constructed and in progress

[For Index see page 106]

Number Main head 28 Sub head (a)

DHOLPUR-BARI RAILWAY (2' 6" gauge)-

Details of construction-

This line, from Dholpur on the Indian Midland railway to Ban, was sanctioned in 1905 for construction by and at the cost of the Dholpur State. It will be 1925 miles long

Number Main head 29 DWARA THERRIA LIGHT RAILWAY (2' 6" gauge)—

Details of construction-

The line is 19 50 miles long Its construction was sanctioned in 1902

The work of construction on the Dwaia-Maolong section, which was started by Mr G L Garth, the promoter, has been suspended on account of his death in June 1904. It will be proceeded with shortly. The work on the Maolong Therria Ghat section has not yet been authorized.

Terms of contract-

The Dwara-Therria Light rulway on completion is to be worked under-

Terms - Contained in the Notification issued by the Chief Commissioner of Assam under letter No 44, dated the 14th August 1902

The general conditions are as follows -

Government and —Guarantee of interest at 4 per cent per annum for 10 years on a debenture loan of 4 lakhs of rupees, required to complete the Dwara-Maolong section Land to be provided free of cost

Currency of contract —The Secretary of State may, after the Dwarn-Maolong section has been opened for twenty-one years and thereafter at intervals of ten years, terminate the contract and take over the railway with all its equipments, buildings and property, upon giving two years previous notice, on paying twenty-five times the average yearly net earnings of the last three years with a minimum of 100 per cent of the cost price of the light inilway

Rates and fares — Certain maxima have been fixed Full control over charges of all kinds for the use of the railway is reserved by the Local Government

Nnmber Main head 30 KALKA-SIMLA RAILWAY (2' 6" gauge)—

The railway was constructed and is being worked by the Delhi-Umballa-Kalka Railway Company

Details of construction -

The line is 59 44 inites long Its construction was sanctioned in 1898 and it was opened in 1903

Permanent-way -The permanent-way consists of 414-lb flat-footed steel rails on wooden sleepers

Ballast -Tho line is billasted with stone

Fencing -The line is fenced only along the Kalka camping ground and through the skirts of the town of Kalka.

Curies -Most of the curves are compound, the limiting radius being 120 feet

Gradients -Tho ruling gradient is 1 in 33

Terms of contracts-

The railway is worked under the following contracts - *

Contracts of -29th June 1898 - (Between the Secretary of State and the Delhi-Umballa-Kalka Railway Company) for construction and working

15th November 1901 —Contract supplemental to that of 1898 (embodying terms for change of gauge).

20th January 1903 —Contract supplemental to that of 1898 (embodying terms for the advance of fund for the completion of the lino)

The conditions of the contracts are as follows -

Government and -Land provided free

Terms of contracts—The line was constructed without a guarantee at the cost of the Delhi-Umballa-Kalka Railway Company, for which purpose the Company is authorised to laise further share capital, in addition to the capital already issued for the existing undertaking, to such an amount as may be mutually agreed upon. The amount agreed upon so far is £600,000. As the actual cost has, however, exceeded this amount Government have arranged, owing to sufficient funds not being forthcoming in England, to lend the Company the requisite moneys at 4 per cent interest.

Currency of contract —Government may determine the contract, on giving twelve months' notice, either on the expiration of twenty-five years from the date on which the rulway has been opened for traffic throughout or on the 31st December 1928 or on the expiration of any subsequent period of ten years. Government may also determine the contract, on giving notice, if the Company fails to comply with certain obligations of the contracts. In the former case Government will pay a sum equal to twenty five times the amount of the average yearly net earnings during the five years immediately preceding the time of termination, but not exceeding by more than 50 per cent or not being less than the total capital in sterling expended. In the latter case Government will pay the fair value of the rulway and works.

Power of Company to surrender contract -Nil

Terms of worling—From the gross entnings will be deducted all charges properly debitable to revenue as working expenses (including any single item of capital expenditure not exceeding Rs 1,000 classed as a "Minor Work," subject to a maximum charge on such account of Rs 15 per mile of line open in cich half-year), and the balance, after payment of interest on moneys loaned from Government, will represent net earnings for shareholders

Rates and fares — Certain maxima and minima have been fixed, and, subject to certain special conditions regarding charges for tunnels, the Company may vary such rates within the maxima and minima.

History of railways constructed and in progress.

[For Indox soo page 106]

Number Main head 80 Sub-head (a)

KALKA-SIMLA RAILWAY (2' 6" gauge) -concld

Statistics of working-

| | TABLE I | | | | | | z II |
|--------------------------------------|---------------|---|--------------------------------|-------------------------------|-----------------------------------|----------------------------------|-----------------------------------|
| | Calendar year | Capital outlay to end of each year | Gross carnings. | Not earnings | Per cent. on capital outlay | Larringa for follope- week | Proport on o expenses to curnings |
| 1899 1900 | • | Rs 553,228 1718,165 | Ra. | Pe. | | Ti- | Try |
| 1901 1902 1903 1904 1905 | | 71,66,993 92,81,656 1,11,'2:881 1,68:25:512 1,76,11,611 | 72,053 5 60 107 7,52 169 | 7 022 2,09,240 4,00 ~17 | 0:01 1:21 2:28 | 513 101 2 | 7600 C175 46 73 |

Number Main head 31 SHAHDARA (DELHI) SAHARANPUR LIGHT RAILWAY (2' 6" gauge)—

Dotails of construction-

The line will be 125 miles long, viz, (1) main line (Shibdara to Saharanpur) 95 miles and (2) branch (Baraut & Meerut) 30 miles

Its construction and working by Messis Martin and Company of Calentia was authorized by an order contained in the Notification of the Government of the United Provinces of Agra and Oudh, No $\frac{6.9}{187}$ R, dated the 18th April 1904, and a company, styled the Shahdara (Delhi)-Siharanpur Light Rulway Company, was registered on the 28th November 1905 for the purpose of constructing the line which has been commenced

Terms of contract-

The line will be worked under the following agreement -

Agreement of-11th October 1905 (between the Government of the United Previnces of Agra and Oudh and Messrs Martin and Company)

The general conditions are as follows -

Government and -Free grant of land for a single 5' 6" gauge line and for all conveniences and a orl s

Currency of agreement — The Secretary of State will have the right to terminate the contract 21 years after the date of opening or 23 years after the date of the Government letter sanctioning the construction of the training, whichever is earlier, at 25 years' purchase of the annual profits to the Company for the preceding 3 years, subject to a minimum of the capital expended and a maximum of 25 per cent in excess of that sum. This option, if not exercised at the time mentioned, may be exercised at the end of successive periods of 7 years counting from that date. In the event of its being determined to construct a railway on a different gauge in place of the trainway and if the Government and the Company fail to agree that the alteration shall be mide by the Company, then the Government will have the right to acquire the trainway at any time on 12 months' notice at 25 per cent in excess of the Company's capital expanditure.

Whenever the next resulting a Whenever the next resists of the trainway of the company's capital expanditure.

Terms of working —Whenever the net profits of the transvay shall be in excess of 4 per cent upon the paid up capital of the Company, such surplus profits shall, after setting aside such reasonable sum as the Directors of the Company may deem proper to earry forward, be equally divided between the Government and the Company

Rates and fares -Certain maxima have been fixed

Number Main head 32 TARAKESHWAR-MAGRA LIGHT RAILWAY (2' 6" gauge)—

Details of construction-

The line is 33 27 miles long, 122 — from Magra to Tarakeshwir (31 12 miles) and from Magra to Tribeni (2 15 miles). Its construction was sanctioned in 1891 and the two sections were opened in 1895 and 1901, respectively.

Permanent-way — The permanent-way consists of 30-lb flat footed steel inits land for 10 miles on steel transverse sleepers and for the remainder of the main line on pyinkado sleepers. The Tribeni extension is laid on sal sleepers.

Ballast -Sand and broken brick

Fencing -- The line is partially fenced

Curves —The sharpest curvo is of 716 25 feet radius

Gradients —The ruling gradient on the main line is 1 in 1,000, there are short gradients of 1 in 500 to 1 in 700 at bridge approaches, from the bridge under the Eist Indian inliving to Migragunj station, the line is on a gradient of 1 in 350. The ruling gradient on the Tribeni extension is 1 in 500

Terms of contract-

The Tarakeshwar-Magia Light rulway is maintained and worked on the terms contained in Bengal Government Notification No 1, dited the 4th January 1896, under the following agreements —

Agreement of—16th October 1890 (between the District Board of Hooghly and the Bengal Provincial Railway Company)

12th March 1904 (between the Secretary of State for India and the Company).

History of railways constructed and in progress.

[For Index see page 106]

Number — Main head 32 TARAKESHWAR-MAGRA LIGHT RAILWAY (2' 6" gauge)—concld

Terms of contract-concld

The general conditions are as follows -

Government and -- Free grant of land for the Tribeni extension

Currency of Agreement —In the event of the District Board wishing to purchase the railway at the end of 21 years under the provisions of section 41 of the Bengal Tiamways Act, 1883 (Bengal Code), the promoters bind themselves to make it over at a price two-fifths in excess of the original capital outly

Terms of working -The line is worked by the owning company

Rates and fares - Certain maxima have been fixed within which the Company is permitted to vary its rates

Statistics of working-

| TABLE | TABL | TABLE II | | | | |
|--------------------------------------|---|--|--|--------------------------------------|-------------------------------|--|
| Calendar year | Capital ontlay to end of each year | Gross earnings | Not earnings | Per cent on capital ontlay | Earnings per milo per week | Proportion of expenses to earn ings |
| , | Rs. | Rs | Rs | | Rs | |
| 1898 1899 1900 . | 9 44,627 9,62,446 9,61,811 | 74,074 66,168 76,594 | 21,002 12,192 20,961 | 2 22 1 27 2 18 | 46 41 47 | 71 65 81 58 72 63 |
| 1901 1902 1903 1904 1905 | 9,72,175 9,76,104 10 15 987 10,41 975 10,46,664 | 83,150 84,272 85,546 89,785 86,838 | 19 890 24 842 25,350 27 564 21,679 | 2 01 2 54 2 50 2 63 2 07 | 51 52 53 52 50 | 70 23 70 52 70 37 69 28 74 81 |

Number Main head 33 TEZPORE-BALIPARA LIGHT RAILWAY (2' 6" gauge)—

On the 3rd May 1898, the Indian Railways Act, IX of 1890, except section 135, was applied to the line Details of construction—

The line is 20 10 miles long Its constitution was canctioned in 1894 and it was opened in 1895

Permanent-way — The permanent-way consists of 30-lb flat-footed steel iails on mahor sleepers

Ballast -The line is unballasted

Fencing -The line is fenced only at stations

Curves -In the first mile there are two curves with ridii of 500 feet

Gradients —The ruling gradient between Tezpore and Rangapara is 1 in 125 and between Rangapara and Balipara' 1 in 100

Morma of contract-

The Tezpore-Balipara Light iailway is maintained and worked under -

Terms—contained in the Notification issued by the Chief Commissioner of Assam under letter No 33, dated the 1st Juno 1895

The general conditions are as follows -

Government and —Free use of Government land and a subsidy to the extent of Rs 5,000, up to the end of March 1909, from the Local Board at Tezpore

Currency of contract —The Secretary of State may, after the railway has been opened for lifteen years and thereafter at intervals of seven years, terminate the contract and take over the railway with all its equipments, buildings and property, upon giving 12 months' previous notice and on paying the Company the value of the property as a dividend earning investment together with an additional bonus of 20 per cent over and above such value

Terms of working -The line is worked by the owning company

Rates and fares - Certain rates and fires have been fixed

| | Table I | | | | | | | | |
|--------------------------------------|--|--|--|--------------------------------------|---|--|---|----------------------------------|---|
| Calendar year | Capital ontlay to end of each year | Gross earnings | Net earnings | Per cent on oapital outly | Snbsidy from District Board | Total income | Per cent of total moomo on enpital ontlay | Earnings per milo per veek | Proportion of expenses to earnings |
| 1898 1899 1900 | Rs 4,56,927 4,74 177 4,87,240 | Rs 85,745 95,157 95,981 | R ₄ 20,157 26,156 25,797 | 4 41 5 52 5 29 | Rs 5,000 5,000 5,000 | Rs 25,157 31,156 30,797 | 5 51 6 57 6 32 | Rs 82 91 92 | 7 ₀ 49 72 51 73 12 |
| 1901 1902 1903 1904 1905 | 4,87,240 4,87,240 4,87,210 4,87,240 4,87,240 | 83 640 85,012 94,742 68,463 1,03,380 | 16,898 21,651 27,739 17,291 27,083 | 3 47 4 43 5 67 3 54 5 55 | 5,000 5,000 5,000 5,000 5,000 | 21,698 26,651 33,739 22 291 32,082 | 4 49 5 47 6 71 4 57 6 58 | 80 81 91 85 99 | 79 84 74 53 70 72 80 43 73 80 |

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Number Main head 34 Sub head (a)

THATON-DUYINZAIK LIGHT RAILWAY (2' 6" gauge)-

Details of construction-

The line is 7 76 miles long. Its constitution was sanctioned in 1883 and it was opened in 1885.

Permanent way -The permanent-way cousists of 20-lb flat-footed steel ruls on Diek Kerr's patent iron and pyınkado sleepers

Ballast -The line is ballasted throughout with sand, stone and laterite

Fencing -Tho line is unfenced

Curves -The sharpest curve has a radius of 207 feet

Gradients -The ruling gradient is 1 in 80

Terms of contracts-

The Thaton-Duyinznik Light indiway is worked under the following -

Contract of -10th January 1884 (between the Secretary of State and the late Mr G E L Dawsen of Rangoon) for construction and working

Agreement of-6th June 1896 for working the railway and a steam launch service between Moulmein and Duyınzaık

The general conditions are as follows -

Government and - Land has been provided at a pepper-earn rent, and the proprietors receive Rs 350 per mensem for the carriage of mails between Moulmein and Thaton, via Duyinzail, including both steamer and railway journeys

Currency of contract - The contract is in force for a period of 99 years. After the railway has been open for 30 years, and thereafter at intervals of 10 years, the Sceretary of State can terminate the contract and take over the railway upon giving 12 months' notice, and paying the value of the permanent-way, buildings and rolling-stock, together with a bonus of 25 per cent on the value. Government may also determine the contract if the railway is not worked for six consecutive calendar months, or if the proprietors fail to carry out the agreement

Terms of working -The rulway is now worked and maintained by the Irrawaldy Flotilla Company, who bought the concern on the 1st December 1900

Rates and fares - Certain maxima have been fixed within which the proprietors are permitted to vary the rates Statistics of working-Information not available

Number Wain head 3 Sub head (a) DARJEELING-HIMALAYAN RAILWAY (2' 0" gauge)-

Details of construction-

The line, which is laid for a great part of its length along the cart rond, is 51 miles long. Its construction was sanctioned in 1879 and it was opened through in 1881

Permanent-way —The line in the plain section is laid with 411-lb flat-footed steel rails on wooden sleepers hill section was laid with 411-lb flat footed steel rule, which we being renewed with a special section steel rule, 111 lb to a yard

Ballast -For 9 miles from Siliguri the line has been ballasted with gravel or broken stone, except near Siliguri where sand has been used. Ou the hill section, where necessary, broken stone ballast has been and is being put in

Fencing -The line is unfenced

Curves —The sharpest curve has a radius of 60 feet

Gradients -The ruling gradient of the greater part of the line is about 1 in 25, from Suklina to Ghum (summit) and thence to Darjeeling there is a length of about three fourths of a mile on grades of 1 in 221 to 1 in 23 Terms of contract-

The rulway is worked under the following contract -

Contract of-8th April 1879 (between the Secretary of State and the late Mr Franklin Picstage) for construction, maintenance and working

The general conditions of the contract are as follows —

Government and -Government undertake to pay the Company such sum as will make up its gross accepts to two Government land and the use of the existing eart road granted free of cost

Currency of contract—If at any period the railway should not be worked for six consecutive months, the Company is to surrender the road and land required from Government, receiving any sums due to it for permanent improvements to the road or works connected their with After the railway has been opened for 25 years (reckoning from the 4th May 1884) and thereafter at intervals of 10 years, Government have the power, by giving 12 months' previous notice, to terminate the contract and take over the line on payment to the Company of its value as a dividend earning in estment, and obtained have a state over the line on payment to the Company of its value as a dividend carning in estment, with an additional bonus of 20 per cent over and above such value.

Power of Company to surrender ex tract .- Nil

Terms of morking —After the first five years, and subject to subsequent modifications of clause 16, half the not profits of any year in excess of 5 per cent on the paid up capital to be applied in repayment to Government of the amount expended on the maintenance of the cirt road during the same year or in making good a deficiency in gross receipts. Government are under obligation to uphold and maintain this road at their own expense, subject to their right to be repaid the charges incurred in any year out of one morety of the surplus profits carned in that year

Rates and fares.—Certam maxima have been fixed within which the Company is permitted to vary rates.

History of railways constructed and in progress.

[For Index see page 106]

Number Main head 35 Sinb head (a)

DARJEELING-HIMALAYAN RAILWAY (2' 0" gruge)—concld

Statistics of working-

| | | | | Table I | | | | | Table II | |
|--|------------|--|--|--|---|--|--|---|--|--|
| Cale | ondar year | Capital outlay te end of each year | Gross earnings | Net carnings | Per cent of net earnings on eapital ontlay | Subsidy from Local Government | Total income | Per cent of total income on capital ontlay | Earnings per mile per week. | Proportion of expen es to carmings |
| 1830 1861 1852 1833 1884 | • | Rs 12 32,694 18,18,723 23,56,112 26,-0,799 27,23,240 | Rs 48,483 2,61,154 3,66,174 4,21,944 4,35,021 | Rs 34,197 1,15,522 1,21,983 2,55,725 1,46,765 | 2 77 6 35 3 72 5 87 5 30 | Rs | Rs 34 197 1,15,522 1,21,983 1,5*,725 1,46,765 | 2 77 6 55 3 72 5 87 5 39 | Rs 82 103 141 162 167 | 29 46 55 76 66 72 63 11 66 26 |
| 1885 1886 1887 1888 1889 | • | 27,27,623 27,32,136 27,43,214 27,71,926 29,40,423 | 4,81,103 4,06,176 4,77,151 6,14,693 5,74,294 | 1,63,350 2,41,559 2,10 623 2,63 327 2,29,117 | 5 99 8 86 7 63 10 22 7 80 | | 1,63,350 2,41 559 2,10,623 2,83,327 2,29,117 | 5 99 8 86 7 63 10 22 7 80 | 163 168 180 233 217 | C2 11 51 23 55 86 55 92 60 10 |
| 1690 1891 1892 1893 1894 | | 29,52,108 30,50,693 31,09,079 31,72,423 31,77,536 | 5,76 436 6,13,387 6,3 ,778 6,31,181 6,36,281 | 2,92,594 2,58 253 2,66,647 2,63,903 2,56,286 | 7 89 8 44 8 57 8 50 8 10 | —1,55,418 —29,756 | 2,32,894 2,59 253 2,66,647 1,28,495 2,26,530 | 7 89 8 44 8 57 4 02 7 13 | 217 231 240 239 239 | 59 60 F7 61 57 46 55 41 59 27 |
| 1895 1896 1897 1893 1699 | • | 31,99,765 33 12,732 33,15 455 33,65,993 30,03,469 | 7,39 618 7,81,594 7,44,266 7,54,580 7,14,985 | 8,59,933 3,60,607 3,93,189 3,41,100 2,49,770 | 11 25 10 25 10 05 10 18 7 12 | -61,740 -62,087 -55,929 -59,432 -31,933 | 2,98,193 2,97,580 2,77,259 2,81,677 2,14,887 | 9 32 8 98 8 36 8 37 6 12 | 279 294 251 285 270 | 50 93 53 98 55 28 54 79 65 07 |
| 1900 1901 1902 1903 1904 1905 | | 31,99 487 31,78,411 31,76,707 86,19 058 87,38 136 87,51,552 | 8,00,158 7,87,941 8,50,280 9 61 602 10 45 87 9,72,644 | 8,61,810 3,19,961 3,73,005 4,16,752 4,75,227 4,09,514 | 10 31 9 02 10 18 11 51 12 71 10 91 | -64 268 -49,971 -67,704 -79,226 -97,200 -77,6°1 | 2,97,572 2,63,890 3,10 301 3,97 5°6 3,78 027 5,31 893 | 8 °0 7 78 8 88 8 79 10 11 8 47 | 305 297 321 363 394 367 | 55 28 60 17 54 66 56 65 53 46 57 70 |

Number Main head 36 H

HOWRAH-AMTA LIGHT RAILWAY (2' 0" gauge)-

Details of construction—

There are 37 19 miles of open line, viz, main line (Telkul Ghat to Amta), 27 19 miles, and branch (Bargachia to Autpur), 10 miles. Of this two miles, from Howrah to Kadamtala, are worked over by the Howiah Sheakhala rulway. In addition to the above there are 12 50 miles under construction. The construction of the main line was sanctioned in 1895 and it was opened in 1898.

Permanent-way.—The permanent-way consists of flat footed steel rails, 25 lbs to the yard on cross sleepers of pyinhado

Ballast -Tho line is billisted throughout

Fencing —The line is unfenced

Curves -The sharpest eurve, sanctioned specially for the town of Howrah, has a radius of 144 feet.

Gradients -The line is practically level throughout.

Terms of contracts-

The Howrali-Amta Light indiway is worked on the terms contained in the Bengal Government Notifications No. 111, dated the 26th March 1895, and No. 75-R, dated the 7th April 1902, under the following agreements —

Agreements of—12th June 1889 (between the District Board of Howrah and the Bengal District Road Tramways Company)

3rd May 1897 (between the District Board of Howrah and the Bengal District Road Tiamways Company, Howrah Amta)

16th August 1901 (between the District Board of Howrah and the Howrah-Amta Light Railway Company)

The general conditions are as follows -

And by the District Board —As subsidy for pryment of interest, the District Board has guaranteed a sum sufficient to make the net crimings equivalent to Rs 1,100 per annum per mile constructed and opened, limited to a maximum annual payment of Rs 28,000. The free use of the district road, not exceeding 6 feet and on one side only, has been granted to the Company for the purpose of laying the line, a clear width of 14 feet being left for vehicular traffic

Currency of agreement — The District Board has the power of determining the agreements after 21 years. In the event of the District Board exercising, in conjunction with the District Board of Hooghly and the Municipality of Howrah, the right of purchase conferred upon them by section 41 of Act 3 of 1893 (Bengal Code), the value to be placed upon the failway is to be calculated by adding to the value of the whole undertaking, with all its equipments, as a dividend earning investment, a bonus of 20 per cent over and above such value

Terms of working —Whenever the net earnings of the Company in respect of the railway are in excess of 4 per cent upon the capital for the time being of the Company, surplus profits are divided between the Company and the District Board in equal proportions

Rates and fares.—Certain maxima have been fixed within which the Company is permitted to vary its rates.

History of railways constituted and in progress

[For Index see page 106]

Number Main head 36 HOWRAH-AMTA LIGHT RAILWAY (2' 0" grugo) - concld.

Statistics of working-

| | TABLE II | | | | | | | | |
|---|--|--|--|--|--|--|---|------------------------------------|--|
| Calondar year | Capital outly to ond of each year | Gross carnings. | Net carnings | Per cont of net carnings on capital outlay | Subaidy from District Board | Total mesmo | Per cent of total income on capital outlay | Larnings per milo per week | Proportion of expenses to earnings |
| 1899 16 19 1900 1901 1902 1903 1904 1905 | Rs 11,34,713 11,41,707 11,83,253 11,96,407 12,68,553 12,68,853 15,91,321 16,07,464 | Rs 1,8",519 2,50,763 2,56,418 2,6",570 2,65,197 2,77 451 2,67 062 3,28,722 | Rs 78,916 1,12,704 1,27104 1,11 0,92 1,73,120 1,37 8 13 1,54 9 18 1,77,164 | 7 02 9 65 10 76 9 53 10 19 10 69 9 71 11 64 | Rs —15 062 —27,535 —70, '11 —26,146 — 29,763 —31,881 —75,116 —78,861 | R 4 63,848 84,659 92,860 87,936 13,417 10,90 119,82 1,35,602 | 7 81 7 35 8 15 8 22 7 51 | Rs 152 163 172 17, 178 186 170 170 | 55 36 55 02 51 56 26 21 49 86 20 30 47 80 46 01 |

Number Main head 77 HOWRAH-SHEAKHALA LIGHT RAILWAY (2' 0" gauge)—

Details of construction-

The line is 1975 miles long, viz, main line (Kadamfala to Shezkhala), 1738 miles, and Chanditala-Janai branel 237 miles. The construction of the main line was suctioned in 1895 and it was opened in 1897.

Permanent-way —The permanent-way consists of flat-footed steel ruls, 25 lbs to the yard, laid on cross sleepers of pyinhado

Ballast -The line is billisted throughout

Fencing -The line is unferied

Curves —The sharpest curve is of 144 feet radius at Howrali town

Gradients -The line is pizetically level throughout

Torms of contracts-

The Howiah-Sheikhila Light rulway is worked on the terms contained in the Bengal Government Notification No 112, dated the 26th Maich 1895, under the following agreements —

Agreements of-12th June 1889 (botween the District Board of Howrah and the Bengal District Road Tramway Company)

16th July 1859 (hetween the District Board of Hooghly and the Bengal District Read Tramways Company)

The general conditions are as follows -

Aid by the District Board —The District Board of Hooghly live guaranteed to make up the net earnings to Rs 950 sper mile constructed and opened per annum. The free use of the district road, not exceeding 6 feet and on one side only has been granted to the Company for the purpose of lying the line, provided that there shall nowhere be a less width o metalled road clear of the inner rail of the line than 16 feet.

Currency of agreement —The agreement is current for a period of 21 years. In the event of the District Board exercising, in conjunction with the Municipality of Howard, the right of purchase conferred upon them by section 4 of Act III of 1883 (Bengal Code), the piece to be placed upon the training is to be calculated by adding to the value of the whole training with all its equipment as then constituted, a bonus of 15 per cent over and above such value

Terms of working —Whenever the net earnings of the Company are in excess of 4 per cent upon the capital of the Company actually paid up and expended for the time being, surplus profits are divided between the Company and the District Board of Hooghly in the proportion of two-thirds to the Company and one-third to the District Board

Rates and fares —Certain maxima have been fixed within which the Company is permitted to vary rates. Statistics of working—

| | Table II | | | | | | | | |
|--------------------------------------|--|--|---|--|---|--|---|----------------------------------|---|
| Calendar year | Capital outlay to end of each year | Gross carnings | Net carnings | Por eent of not earnings on capital outlay | Subsidy from District Board | Total incomo | Per cont of total meomo on cupital outlay | Earnings per milo per week | Proportion of oxpen es to earning: |
| | Rs | Rs | Rs | | Rs | Rs | | Rs | |
| 1898 1899 1900 | 6,09,138 6,09,134 6,09,146 | 76,166 73,396 76,019 | 16,768 21,453 <i>2</i> 6,824 | 2 75 3 52 4 40 | 4,967 —250 —999 | 21,035 21,203 25,525 | 3 45 3 48 4 21 | 70 65 74 | 7° 12 70 77 64 71 |
| 1901 1902 1903 1904 1905 | 6,09,446 6,09,565 6 14 715 6,14 715 6,13,608 | 75,779 82,019 87,049 86,261 83,266 | 23,165 31,739 34,950 39,055 \$8,128 | 3 80 5 20 5 68 6 35 6 21 | 1,108 -550 -668 -2 747 -2,419 | 24,273 31,189 31,282 36 303 85,709 | 3 98 5 12 5 57 5 91 5 82 | 77 80 85 84 86 | 70 52 61 33 59 55 54 72 56 80 |

APPENDIX 38-concld

History of rarlways constructed and in progress

[For Index see page 106]

Number Main head 38 JORHAT (STATE) RAILWAY (2' 0" gauge)—

The line was constructed out of Provincial revenues by the Government of Assam for the convenience of the numerous tea gardens in the neighbourhood of Jorhat

Details of construction-

The line is 30 25 miles long, uz, main line (Borghop to Titabar), 23 25 miles, and Mariani branch, 7 miles struction of the line was canctioned in 1883 and the main line section was opened in 1887 and the branch in 1885.

Permanent-way —Excepting 2.51 miles of the line between Joihat and Gosaigaon, which is laid with steel rails 30-lb to the yard, the whole line, including the section from Gosaigaon to Borghop, is laid with steel rails, 18-lb to the yard

Ballast - The line is unballasted

Fencing —Of the rulway land acquired for stations and buildings that at Jorhat only is demarcated by fencing Curves —The sharpest curve is of 480 feet radius

Gradients - Four miles on a gradient of 1 in 800.

Terms of contracts-

The line is owned and worked by the State.

| - | ני | Table I | | | | | TABLE II | |
|--------------------------------------|---|---|--|--------------------------------------|--|---|-------------------------------------|---|
| Calondar year | Capital ently to end of each year | Gross carn | Net carnings | Por cont on capital outlay | Interest | Gain or loss to the State | Earnings per mile per woek | Prepertion of expenses to earn ings |
| 1834 1835 1856 1887 1553 | R ₉ 4,98 339 5,14 641 5 84,603 6,79,872 7,10,876 | Rs 1,161 31 8'8 38 271 49 199 55,477 | Rs -483 -7,455 -13,887 -13,772 75 | | Rs 17,533 19,395 22,026 26 608 27,807 | Rs -18 016 -26 850 -35 913 -40 350 -27,732 | Rs 40 25 28 32 38 | 141 60 123 14 136 28 127 99 90 86 |
| 1889 1890 1891 1892 1893 | 7 33 649 7,12 351 7 51 421 7,54 791 7,99,680 | 59 665 61 967 64 583 66,049 69,810 | -3,543 6,162 1 483 11,789 14,436 | 0 85 0 20 1 56 1 81 | 29,057 29 448 30 026 90 107 82,013 | -32 600 -23 286 -28 543 -18 318 -17,577 | 42 44 47 48 52 | 105 94 90 06 97 70 82 16 79 82 |
| 1591 1595 1596 1597 1598 | 8 18,184 8 25,409 8,65,300 9 02 416 9,09,445 | 71 913 84 696 89 996 96 186 95,958 | 11 201 18,720 13 745 14 124 20,135 | 1 97 2 26 1 59 1 57 2 21 | 32 587 32 919 33 592 36 102 86,179 | -21,386 -14,199 -19,847 -21,978 -16,044 | 52 61 65 69 70 | 84 43 77 81 84 73 85 83 79 02 |
| 1899 1900 1901 1902 1903 | 9 31 626 9,08 643 9 01,038 8 95 693 9,03,343 | 96 488 86 695 83 184 86 641 90,710 | -5 946 -15 664 -4 169 -3,655 13,594 | 1 51 | 37,228 36,341 36 218 36 237 36,408 | -43,174 -52 005 -40 417 -39 892 -22 814 | 72 63 56 57 59 | 106 16 118 05 105 01 104 22 85 01 |
| 1901 1905 | 9 03 781 9 03,441 | 74,293 78 600 | -3,840 2 458 | 0 27 | 36 260 36 450 | -40,100 -34 022 | 47 50 | 105 17 96 87 |

APPENDIX 39.

Statement showing the total working expenses on the principal railways in India during the year 1905 divided in proportion between coaching and goods, under gross receipts, total train-mileage and gross ton-mileage

| <i>g</i> , 0 | oss tou-mineage | 5' | 6" gauge i | ines | | | | |
|---|----------------------------------|------------------------|------------|--------------|--------------------------|-----------------|----------------------|--------------------------|
| | RAILWAY | | gross r | ECCIPTS | ' TRAIN | MILES. | TON INCLUDI WE | MILES NG DEAD IGHT |
| | | Total working oxpenses | Appen | prx 18 | Appen | DIX 18 | Appendix 18 | |
| Ŀ. | h | | Item No 21 | Item No 89 | Item No 22 | Item No 90 | Item No 73 | Item No 109 |
| Number | 1905 | | Coaching | Goods | Coaching | Goods | Coaching | Goods |
| | | (In lalhs) | (In lakhs) | (In lakhs) | (In thousands) | (In thousands \ | (In millions) | (In millions) |
| 1 (a) { | Bengal Nagpur | 106 24 | 74 27 | 154 57 | 2,143 96 | 3,410 11 | 534 96 | 1,475 92 |
| { | Proportion | | 1 | 2 08 | 1 | 1 59 | 1 | 2 76 |
| $2 (a) to \begin{cases} f \\ f \end{cases}$ | Bombay, Baroda aod Central India | 97 49 | 74 63 | 139 61 | 2,212 45 | 1,251 32 | 554 02 | 782 31 |
| ا ری | Proportion . | | 1 | 187 | 1 77 | 1 | 1 | 141 |
| 3 (a) } | Fıstern Beogul Stato | 64 14 | 42 01 | 69 53 | 1,503 34 | 1,079 93 | 367 47 | 504 28 |
|) (| Proportion . | | 1 | 166 | 1 39 | 1 | 1 | 137 |
| 4 (a) to 4 | East Indian | 282 15 | 239 28 | 526 94 | 6,088 86 | 9,256 78 | 2 077 08 | 5,637 35 |
| \$ (a) to { (d) | Proportion . | | 1 | 2 20 | 1 | 1 32 | 1 | 274 |
| 5 (a) to { | Great Indian Peninsula | 304 00 | 176 27 | 445 98 | 7,122 99 | 8,015 64 | 1,738 66 | 3,356 83 |
| (x) [| Proportion | | 1 | 2 53 | 1 | 1 13 | 1 | 194 |
| 6(a) to { | Madras | 122 39 | 74 18 | 128 43 | 2,133 19 | 3,041 19 | 530 78 | 1,218 63 |
| (c) | Proportion | | 1 | 1 72 | 1 | 1 13 | 1 | 2 30 |
| } } 3 (a) 8 | Aızam's Gnaranteed Stato | 15 72 | 10 85 | 33 28 | 285 64 | 637 80 | 87 32 | 273 50 |
| (6) | Proportion | | 1 | 3 07 | 1 | 2 11 | 1 | 313 |
| 9 (a) to { | North Western State | 310 42 | 199 98 | 429 80 | 7,935 04 | 9,466 59 | 1,789 3 8 | 4,253 26 |
| 9 (a) to { (f) | Proportion | | 1 | 2 15 | 1 | 1 19 | 1 | 2 38 |
| 10 (2) & { | Oudh and Robilkband Stato c, | 92 21 | 72 02 | 73 C8 | 2, 90 9 88 | 1,975 98 | 722 72 | 808 02 |
| (1) | Proportion | | 1 | 1 01 | 1 52 | 1 | 1 | 1 12 |
| | | | | | | | | |

APPENDIX 39-concld.

Statement showing the total working expenses on the principal railways in India during the year 1905, divided in proportion between coaching and goods, under gross receipts, total train-mileage and gross ton-mileage

| 3' 3\frac{3}{2}" GAUGE LINES | | | | | | | | | |
|--|------------------------------------|---------------------------|------------------------|----------------------|----------------------------|----------------|--------------------------|-------------------------|--|
| | RAILWAY | | gross r | CCEIPTS | TRAIN | MILES | TON M INCLUDII WEI | IILFS NG DEAD GHT | |
| | | Total working expenses | otal working APPEN | | Arpeni | DIX 18 | Appendix 18 | | |
| ង | 1005 | | Item No 21 | Item No 89 | Item No 22 | Item No 90 | Item No 73 | Item No 109 | |
| Number | 1905 | | Conching | Goods | Coaclung | Goods | Coaching | Goods | |
| | | (In lakhs) | (In lal lis) 91 95 | (1n laklıs) 18488 | (In thousands) 3,459 59 | (In thonsands) | (In millions) 581 14 | , | |
| $2 \binom{g}{m} \text{ to } \left\{ \right.$ | Rajputana Malwa Proportion | 213 00 | 1 | 2 02 | ъ,100 oo | 117 | 1 | 1,178 85 2 03 | |
| | Eastern Bengl Stato | 44.07 | 85 23 | 44 20 | 1,253 67 | 1,071 23 | 179 51 | 294 70 | |
| 3 (6) and (c) | Proportion . | | 1 | 1 25 | 1 17 | 1 | 1 | 164 | |
| B (c) { | Hyderabad Godavari Valley . | 16 30 | 929 | 1919 | 885 01 | 557 23 | 78 71 | 111 36 | |
| (| Proportion | | 1 | 200 | 1 | 1 45 | 1 | 151 | |
| 11 (a) { | Assam Bengal | 32 33 | 1488 | 17 04 | 552 33 | 885 20 | 100 32 | 162 67 | |
| ζ | Proportion | | 1 | 115 | 1 | 160 | 1 | 1 62 | |
| 12 (a) & { | Bengal and North Western . | 53 31 | rs cs | 63 64 | | | | 536 72 | |
| (6) { | Proportion | | 1 | 108 | 116 | 1 | 1 | 121 | |
| 14 (a) to { | Bhaunngur Gondal Innagad Porbandar | 10 99 | 1335 | 8 33 | 311 35 | 220 55 | 63 79 | 46 46 | |
| (a) (| Proportion | | 160 | 1 | 1 55 | 1 | 116 | 1 | |
| 15 (0) | Bnrma | 95 95 | 69 57 | 85 37 | 1,951 82 | 2,833 36 | 379 46 | 637 25 | |
| 20,00 | Proportion | | 1 | 1 23 | 1 | 1 45 | 1 | 1 68 | |
| 18 (a) to { | Jodhpur Bilaner | 14.91 | 1101 | 20 29 | 516 92 | 1 | | | |
| (e) (| Proportion | | 1 | 144 | 1 | 1 08 | 1 | 133 | |
| 20 (a) & { | Robilkand and Kamaon | 10 13 | 8-00 | 10 12 | 297 67 | 349 75 | | | |
| (b) { | Proportion | | 1 | 1 21 | . 1 | 1 17 | 1 | 1 48 | |
| 21 (a) to (| Sonth Indian | 6977 | 77 23 | 61 63 | 2,423 50 | 2,196 19 | 397 86 | | |
| 21 (a) to } | Proportion | | 1 25 | 1 | 110 3 | 1 | 1 | 114 | |
| 22 (a) to { | Southern Mahrotta | 69 36 | 43 54 | 68 75 |) | | | | |
| 6) { | Proportion | | 1 | 158 | 1 | 1 54 | 1 | 192 | |
| | | .1 | | J | | | | 52 | |

APPENDIX 40.

Memorandum by the Railway Board on the results of Indian railway working, 1905-1906, and proposals for 1906-1907, as published in the Financial Statement

The results of working of Indian railways for the year 1905-1906 show larger gross receipts and larger revenue expenditure than in any previous year

The estimated net surplus Revenue, after paying all charges, including interest, is three ciores three lakhs and eighty-three thousands (£2,025,600).

CAPITAL EXPENDITURE.

The Capital expenditure during the year 1905-1906 will amount to twelve crores fifty lakes (£8,333,000), being about two crores in excess of the expenditure for the year 1904-1905

For the year 1906-1907 these figures have been largely increased. The estimate provides for spending a sum of 15 elores (£10,000,000), an increase of 20 per cent. on the provision of last year.

Under the head of lines already open, including the provision of additional rolling stock, the amount expended in 1905 1906 will be 726 lakbs (£4,840,000), showing an advance of about 224 lakbs over the expenditure under the same head for the previous year

Under the same heads in 1906-1907 provision is made for 891 lakhs (£5,910,000), an increase of about 23 per cent

A companion, showing capital expenditure for 1906-1907 and the previous five years, is contained in the following statement —

| | Lines already | | CONSTRUCTION | | | |
|--|--|--|--|--|---|--|
| | open including idditional roll ing stock | Started in pre | Started in current year | Total | Equivalent in sterling | |
| | Lakhs | Lakhs | Lakh8 | Lakhs. | , £ | |
| 1901-1902 (actual expenditure) 1902 1908 (,, ,,) 1903-1904 (,, ,,) 1904 1905 (,, ,,) 1905 1906 (latest grants) 1906-1907 (proposed grants) | 3,52 58 4,81 74 5,58 77 5,02 76 7,26 63 8,91 09 | 5,09 06 4,52 50 3,13 68 4,86 91 4,81 04 5,38 91 | 25 64 71 52 84 62 88 62 42 33 70 00 | 8,87 28 10,05 76 9,57 07 10,78 29 12,50 00 15,00 00 | 5,915,199 6,705,064 6,380,468 7,188,600 8,333,334 10,000,000 | |

The information showing in detail how the expenditure in 1905-1906 and 1906-1907 will be distributed is contained in statement A attached to this memorandum.

Under the order of the Secretary of State a programme has been submitted to him for expenditure on railways during the next three years

This "triennial programme," as it is called, has been definitely agreed to by the Secretary of State for the year 1906-1907 and provisionally approved for the remaining two years

The year 1906-1907 is the first year this ariangement will come into operation. The object aimed at is to enable a Railway Programme, extending over a reasonable period, being made out under as fixed conditions for new railways and additions to existing ones as Indian finance will permit, and also to secure a definite continuity of railway policy, and the Railway Board have every hope that the funds required to meet the expenditure of 15 croics per annum for the next three years will be duly provided.

APPENDIX 40-contd.

The mileage of lines of all gauges open to traffic on 1st April 1905 was 27,728, and under construction 2,344; on 1st April 1906 there will be 28,684 open and 1,959 under construction

At the end of the coming year there will be 1,509 miles under construction among which will be twelve new projects

RAILWAY REVENUE ACCOUNT.

The railways of India, taken as a whole, have for a succession of years shown a balance to the credit of general revenues, after allowing for working expenses, interest on capital expended, charges for annuities in redemption of capital and miscellaneous railway expenditure. The following table shows the approximate figures for 1905-1906 compared with the actual results for the previous five years—

(Figures in rupees omitting 000)

| • | Gross receipts | Working expenses | Interest charges, etc | Surplus of revenu over expenditure | Equivalent in sterling |
|--|--|--|--|---|---|
| , | R | R | ₽ | R | £ |
| Actuals— 1900-1901 1901-1902 1902-1903 1903-1904 1904-1905 | 27,44,04 30,33,90 30,20,08 32,33,68 36,03,37 | 12,69,86 14,23,85 14,74,08 15,56,72 16,91,32 | 14,25,41 14,88 06 15,11,66 15,47,86 15,93,23 | 48,77 1,26,99 34,31 1,29,10 8,15,82 | 325,100 846,600 228,900 860,700 2,105,500 |
| Rstimate— 1905-1906 | . 36,98,72 | 17,44,54 | 16,50,35 | 3,03,83 | 2,025,600 |

Compared with the results of the previous year the figures for 1905-1906 show a falling off of Rs 11,99,000 (£79,900) The receipts are more by Rs 95,35,000 (£635,700), but the working expenses are higher by Rs 50,22,000 (£334,800), while interest charges, etc., have increased by Rs. 57,12,000 (£380,800)

GROSS RECEIPTS

In 1904-1905 traffic conditions were exceptionally favourable on all the larger railway systems. Pilgiim, grain and coal traffic accounted for a large increase on the East Indian railway, the recently completed irrigation works in the Punjab rendered possible the heavy export traffic in wheat viā Karachi, resulting in an extraordinary increase on the North Western railway, while the earnings of the Great Indian Peninsula, Rajputana-Malwa, and Bengal-Nagpui railways were also affected by favourable crops. During the current year, while there has been a considerable falling off in grain and seed traffic on the North Western railway, and the East Indian railway earnings were practically stationary, the earnings from the other three above mentioned railways show still better results owing to further development of cotton, grain and specially coal traffic. The following are the principal differences resulting in the net increase of Rs. 95,35,000 in gross receipts.

| . 6 | | | | $\mathbf{R}_{\mathbf{S}_{\mathbf{s}}}$ |
|------------------------|---|-----------|--------------|--|
| | | Increases | | • |
| Bengal-Nagpur | | • • | , | 56,65,000 |
| Great Indian Peniusula | | | | 32,55,000 |
| Rajputana-Malwa | | | • • | 30,70,000 |
| Other railways (net) | | • • | ?* | 33,93,000 |
| | | | | 1,53,83,000 |
| | | Decrease | | • |
| North Western | • | | • • | 58,48,000 |
| | | | Net increase | 95,35,000 |

WORKING EXPENSES, INTEREST CHARGES, ETC.

The increase in working expenses during the year 1905-1906 is estimated to amount to Rs 50,22,000 (£334,800). This increase to a large extent is due to increased traffic on cortain lines, of which the Bengal-Nagpur, Great Indian Peninsula and Rajputana-Malwa railways are the most prominent examples.

APPENDIX 40-contd.

These three lines will have earned more than one erore of rupees (£666,700) in excess of their earnings during the previous year, and this increase in carnings

necessitate increased working expenses

There are, however, other causes which may increase both working expenses and interest charges in the future. The increase in working expenses should be to a considerable extent temporary, the increase in interest charges, however, will be permanent

The causes are these—

Railways in India have now to run faster trains, provide better earriages, improve the conditions under which third class passengers are carried, introduce a more elaborate system of signalling, and generally conduct their business under more up-to date methods than were in use in the past

Some of these improvements will lead to increased invenue. Some will not, but

have to be provided to meet the public demands

The east of many of these improvements being in the nature of renewals has

to fall to a considerable extent on revenue.

During the period this raising of the standard is being carried out working expenses must rise, though in the end, under some items, more economical working should be secured

Again it is generally admitted that there is economy in inilway working in hauling heavy train loads. To enable heavy train loads to be hauled the permanent-way of inilways has to be improved and girders strengthened. Most lines now, when making branches, wish to use their light main line rails in these branches and renew the main line with heavier inils.

This is a sound business arrangement, but earrying out the policy indicated means that revenue has to nenew before the rail itself is nearly worn out. The result is increased debits to Revenue for a time, causing increased working expenses. The Board hope that a practical solution may be found to meet this difficulty, so that working expenses may be steaded and not hable to unnecessary fluctuations.

The results of improvement in the standard of permanent-way, carrying with it the capacity to haul heavier loads, will well repay the expenditure by ultimate

reduction in east of haulage

NEW LINES TO BE CONSTRUCTED

The new lines, the construction of which is to be commenced during 1906-1907 re

| are - | | | | | | | | | ···· |
|-------|---|-------|---------|-------|-------|---------|------|--------------|-----------------------------|
| No | Railway | | | | | | | Gauge. | Probable length Luies |
| 1 | (i) State, by Sta Bombay-Sind connection . | te A | gency. | | _ | | | 5′ 6″ | 90= |
| - | Eastein Bengal— | • | • | • | • | • | .1 | 9 0 | 295 |
| 2 | Lulgols-Gherria North-Western— | • | • | ٠ | ٠ | • | • | 5' 6" | 13 |
| 3 | Jhang-Chiniot-Sangla . | | • | | | - | | 5' 6" | 70 |
| 4 | Lodhran-Khanewal | • | | • | | | - 1 | 5′ 6″ | 55 |
| 5 | Shorkot Road-Chichoki . | • | • | • | | |] | 5′ 6″ | 130 |
| 6 | Thal-Parachinar | • | | | | | | 5′ 6″ | 55 |
| 7 | Kohat-Thal (conversion from | a the | a 2′ 6′ | gau; | ge, n | ot rest | ult- | | 1 |
| | ing in increased open mile | age) | | • | • | | • { | 5′ 6′ | 62 |
| 8 | Assam-Bengal State, by Agency | of C | Compa | nres: | _ | - | | 01.00# | |
| ٥ | Kulauna-Sylhet Burma— | • | • | • | | • | | 3′ 3½″ | 31 |
| 9 | Dagn-Naikhin East Indian— | • | • | • | • | ٠ | | 3′ \$₹″ | 69 |
| 10 | Katwa-Azimganj-Baiharwa | | | | | | | 5′ 6″ | 108 |
| | (111) From capital of Bengal-Nagpui | Com | panie | s. | | - | | - 0 | 100 |
| 11 | Vizianagram Raipur | | | • | • | | | 5′ 6″ | 310 |
| 12 | (vv) From capital of Kurnool Dhone | Loca | l Boa | rds | | | 1 | o/ 03# | 90 |
| 12 | Edinon Phone | • | | | • | | | 3′ 3§″ | 32 |

APPENDIX 40—contd

OPEN LINE REQUIREMENTS

In dealing with the capital funds available for expenditure on iailways, the Railway Board have given due consideration to the demands of open lines for the provision of additional facilities required by a growing trade

For improving railway working there are demands of high importance for doubling existing lines, additional crossing stations, improved signalling, improvement of railway workshops, more staff quarters and the general provision of facilities of smaller character required to enable railways to dear more expeditiously with their traffic.

The total amount allotted during 1906-1907 to open lines, viz, 891 lakks (£5,940,000), out of a total for the year of 1,500 lakks (£10,000,000), has been divided between general open line requirements and additional rolling-stock approximately as follows—

| 1 | | Likhs |
|-----------|------------------------|-------|
| 1906-1907 | Open line requirements | 509 |
| 1000 1001 | Rolling stock . | . 382 |

This shows a considerable increase over 1905-1906, the figures for which were as follows —

| | | | Lakhs |
|-----------|------------------------|---|-------|
| 1905 1906 | Open line requirements | | 452 |
| 1000 2000 | Rolling stock | • | 274 |

ROLLING STOCK

The question of what is a sufficiency of iolling stock on a nailway is one about which there is considerable difference of opinion. If nailways are to be worked commercially, their interests have to be considered. It is sometimes argued that it is in the interest of the nailway to be always able to earry all traffic offering at all times.

To provide for a maximum demand for transport for a short period would necessitate a very large amount of extra rolling-stock being kept to meet this exceptional demand. This rolling stock would be ridle for considerable periods and be a burden on the capital cost of the line

In most countries of the world, especially in America where a large export grain, seeds and coal business is done, there is shortness in the supply of rolling-stock at certain times and during unusual briskness of trade

On this important question, the Railway Board are of the opinion that Indian railways as a whole are at present below what should be the standard of equipment of rolling-stock for present requirements. Since the Board was formed they have taken steps to improve this standard and will continue to do so to meet future developments of trade.

For the year 1906-1907 the sum of three clores eighty-two lakes has been provided for new rolling stock, being an excess of one clore eight lakes over the provision for 1905-1906

The stock now under indent consists of heavier engines and higher capacity vehicles. This represents a considerable increase in power of transportation beyond that indicated by the actual numbers added

Some of the restrictions on axle loads in existing stock have also been relaxed, which has permitted existing wagons being more heavily loaded

THIRD CLASS PASSENGER TRAFFIC.

The question of improving the comfort and convenience of third class passenger traffic is a matter the Railway Board have been devoting considerable attention to during the past year.

APPENDIX 40-contd.

More third class rolling-stock is undoubtedly required

Provision has, as far as practicable, been made for this during the year 1906-1907, the number sanctioned being double that supplied in 1905-1206.

The additional stock to be supplied during the ensuing year, will be of a better type than formerly. The carriages will be of a large size, better lighted and be supplied with latrine accommodation. The stock being built for renewals is also of this higher standard.

Steps will be taken during the ensuing year to develop more rapidly the system of communication between passengers and guards and drivers of trains, the system being applied to third class carriages equally with those of the higher classes

The Board would also note that, in response to their representations, the various railway administrations are paying attention to the general convenience of third class passengers in taking tickets, avoiding crushes on platforms, and overcrowding in carriages, but much more remains to be done. The Board hope that this will induce larger numbers to travel, and thus lead to improved receipts from this valuable class of traffic

GENERAL

During 1905 the Railway Board authorized a substantial reduction in the minimum rate for the carriage of coal Railways, however, are moving cautiously in taking advantage of this reduction, but the Board feel sure the final result must be a large increase in the coal business and a general stimulus to industries situated far from their coal supply

Attention is invited to statements B and C accompanying this memorandum, which contain information of interest.

APPENDIX 40—contd

STATEMENT A

Statement of anticipated capital expenditure on railways, open and under construction, for the year 1906-1907

Branch lines under rebate terms are excluded

| No | Railway | Grants allotted for 1905 1906 | Distribution of grants during 1906 1907 |
|------------|--|-------------------------------------|--|
| | A —OPEN LINES | | |
| | Eastern Bengal — I (1)—STATE, BY STATE AGENCY | R | R |
| 1 | Main lino | (a) 125 65 | 38 06 |
| 2 | Canal Junction Kakurgaohi duplicating | 0 95 |) |
| 3 | Kakurgachi ehord | 2 10 | 1 90 |
| 4 | Kasıpur Chitpur improvements | 1 10 | 130 |
| 5 | Kaunia Bonarpara | 4 85 | 3 86 |
| 6 | Jodhpur-Hydorabad (British section) | 0 32 | 030 |
| 7 | Oudh and Rohilkhand— Main line | | |
| | Allahabad Fyzabad, Ganges Bridge | 31 16 | 22 00 |
| 8 | North Western — | -1 48 | • |
| 9 | Main line | 131 29 | 150 50 |
| 10 | Peshawar Railway Reservo | -2 89 | |
| 11 | Rohri Samasata doobling | 65 50 | 59 50 |
| 12 | Warora Colliery | -095 | -0 20 |
| 13 | Purchase of Kalka Simla Ry | | 45 00 |
| | Total Open Lines, State, by State Agency | 307 60 | 322 22 |
| | I (11)—STATE, BY AGENCY OF COMPANIES Assam Bengal | //\ ob == | |
| 14 | Bengal and North-Wostern— | (8) 37 17 | 15 00 |
| 15 16 | Tirhoot Sakri-Jamagar | 15 20 | 20 00 1 00 |
| 17 | Bombay, Baroda and Contral India— Main lino | (c) 160 48 | 10 00 |
| 18 19 | Palanpur Deesa Rajputana Malwa | 0 01 20 64 | 0 03 |
| 20 | Rewari Phulera | 7 44 | 2 90 |
| 91 | East Indian— Main line | 90.00 | 199.00 |
| 21 22 | Agra Junction-Belinginj | 89 00 6 00 | 122 00 6 00 |
| o o | Great Indian Peninsula— Main lino | F0 C0 | * 0.00 |
| 23 24 | Agra Dellu chord | 58 82 10 93 | 78 00 1 20 |
| 25 26 | Bhopal-Itara (British section) Lonavla Poona doubling | 0 60 | 2 00 5 00 |
| | Madras— | 1.00 | 1.00 |
| 27 28 | Nilgiri North East lino (East Coast) | 1 90 7 00 | 1 80 20 00 |
| 29 | Nizam's Guaranteed State— , Bezwada oxtonsion | 0 04 | 0 03 |
| 90 | South Indian — Main lino | 17 75 | 27 50 |
| 30 31 | Travancore branch (Native State section) | 0 82 0 27 | 2:0 1:0 |
| 32 | · · | 021 | 100 |
| 33 | Southorn Mahratta— Guntakal Mysore Frontier | 0.08 | 0 10 |
| | Total Open Lines, State, by Agoncy of Companies | 434 15 | 345 56 |

⁽a) Includes Rs 77 62 advanced to the Bengal Central Railway Company up to 30th June 1905, transferred from "Capital of Indian Railway Companies"

(b) Includes Rs 17 25 for purchase of Noakhali Railway

(c) Includes Rs 155 18 advanced to and overdrawn by the Company up to 31st December 1905, transferred from "Guaranteed Company of the

APPENDIX 40-contd

Capital expenditure on railways, 1906-1967—contd.

| No | Railway | Grants allott d for 1905-1906 | Distribution of grants during 1906 1907 |
|----|---|-------------------------------------|--|
| | A -OPEN LINES-concld | R | R |
| | II —FROM CAPITAL OF OLD GUARANTED COMPANIES | | |
| 34 | Bombay, Baroda and Central India | (a)—1 18 73 | |
| | Madras— | | |
| 35 | Main lino | 16 02 | 32 60 |
| 36 | Calleut Azhil al | 0 30 | 0 10 |
| | Total Open Lines, old Guaranteed Companies | -132 11 | 33 00 |
| | III - From Capital of Companies other than old Guaranteed Companies | • F | |
| 37 | Assam-Bengul . | -017 | |
| 38 | Bengal Central | (6) - 77 51 | |
| | Bengal Nagpur— | | |
| 39 | Main line | 6 27 | 17 00 |
| 40 | Mianapur Jhermah | h | |
| 41 | Satpura (Jubbulpur Gondia) | 82 19 | 100 00 |
| 42 | Sini Midnapur Cuttack Calcutta . |) | |
| | Burma— | | |
| 43 | Vain line | 21 07 | 20 00 |
| 44 | Hlawga Letpadan doubling | |) |
| 45 | Thingingynm Pegu doubling | | 600 |
| | Great Indian Peninsula — | | |
| 46 | Indian Midland | 10 30 | 22 70 |
| 47 | Bhopal Denanganj doubling . | | 4.00 |
| | Rohilkhand and Kumaon— | | |
| 48 | Lucknow Baroilly | 2 08 | 3 00 |
| | Southern Mahiatta— | | |
| 49 | Main line | 1851 | 6 00 |
| 50 | Mysoro section | 1 53 | 2 31 |
| | | | |
| | Total Open Lines, other Companies | 67 24 | 190 01 |
| | IV -From Capital of Branch Line Companies with fiem Guaranies | | <i>f</i> |
| 51 | Hardwar-Dihra , . | 0 05 | 0,20 |
| | • | 0 05 | |

⁽a) Includes credit of Rs 155 48 representing advances to and overdualts by Company up to 31st December 1905, transferred to "Si Railways"

⁽b) Includes credit of Rs 77 62 representing advances to Company on 30th June 1905 transferred to "State Railways"



APPENDIX 40-contd.

Capital expenditure on railways, 1906-1907-contd

| | | | | , | · | |
|----------------------------------|---|-----------------------------|---|-------------------------------------|--|---|
| No | RAILWAY | Length | Amount of estimate or approxi- mate cost | Outlay to ond of 1904 1905 | (Frants allotted during 1905 1906 | Distribu- tion of grants during 1906 1907 |
| | B-CONSTRUCTION OF LINES-concld | Miles | R | R | R | R |
| | 1 (11)-STATE, BY AGENCY OF COMPANIES | | | | | |
| | Lines in Progress | | | | | |
| 72 | Assam Bengul Akhauia-Bhairab Bazar | 19 | 12 20 | •• | 1 77 | 4 97 |
| 73 | Bengal and North Western— Turhoot extensions | 209 | 114 80 | 40 60 | 37 50 | 24 00 |
| 74 75 | Burma— Henzada Kyangin Pogu Moulmein | 66 122 | 5159 11288 | } 81 07 | 52 06 | 51 00 |
| 76 77 78 79 80 81 | East Indra— Bhagalpur-Bausi Gya-Barakar Hooghly Katwa Khurja Hapur Ondal Sainthia Shikohabad Farakhabad | 31 148 65 39 45 | 23 31 206 81 58 46 26 08 43 55 53 83 | 131 40 5 09 16 57 32 00 | 5·00 60 00 3 00 11 00 23 50 15 00 | 10 00 15 00 10 00 7 00 4 00 |
| 82 83 | Great Indian Peninsula— Harbour Branch Warora Bellarpur | 8 38 | 45 60 81 94 | 8 26 | 9 9 1 8 10 | 20 00 6 67 |
| 84 | Madras — Azhikal-Mangalore | 77 | 129 05 | 77 64 | 29 85 | 16.00 |
| 85 | South Indian— Rameswaram Extension | 12 | 35 19 | 0 97 | 3 62 | 20 50 |
| | Assam Bengal - | | j | | | |
| 86 | Kalaura-Sylhet | 31 | 22 06 | >11 | ••• | 6 00 |
| 87 | Burma— Daga Naikban | 69 | 50 00 | | ,. | 600 |
| 88 | East Indian— Katwa Azimganj Barharwa . | 103 | 86 37 | • | ••• | 3 00 |
| | TOTAL | | , | 313 60 | 260 64 | 20414 |
| | II — From Capital of old Guaranteed Companies | • | | | | *** |
| | III —From Capital of Companies other than old Guaranteed Companies | | | | | |
| | Lines in progress | | | | 1 | |
| 89 90 91 | Bengal Nagnur— Gonda Chanda Pench Valley Purulia' Ranchi | 212 29 72 | 89 34 16 53 39 83 | 1 87 | 4 34 5 87 4 83 | 41 00 3 00 20 00 |
| | New Lines Bengal Nagpur— | | J | | | |
| 92 | Vizianagram-Raipur | 311 | 250 42 | | | 8-00 |
| | Total | | | 1 87 | 15 04 | 72 00 |
| | IV — From Capital of Branch Line Companies with firm Guaranter . | | | | | • |
| | V - FROM CAPITAL OF LOCAL BOARDS | | | | | |
| J | Lines in Progress | | | ļ | | |
| 93 | Bezwado Masulipatam New Lines | 50 | 24 25 | 200 | 400 | c 00 |
| 94 | Dhone Kurnool . | 32 | 7.11 | - | | 7 00 |
| | Total | *** | | 101 | 4 00 | 13 00 |
| | | | | | 1 | |

APPENDIX 40-contd

Capital expenditure on railways, 1906-1907-concld

| Railway. | | | | | Distribution of grants fo | |
|-----------------------|---|----------------------|------------------|----------|---------------------------|--|
| | ABSTRACT BY OPEN LINES | s And constructio | N | R | R | |
| | A — Capital for (| DPEN LINES | | | | |
| I (1) Stat | te, by State agoncy | • | • | 322 22 | | |
| I (11) Sta | te, by agency of Companies | | | 345 56 | | |
| II Old Gu | aranteed Companies | | • | 33 00 | | |
| III Other (| Companies . | • | | 19001 | | |
| IV Branch | Line Companies | | | 030 | | |
| | | | Total Open Lines | | 891 | |
| | B-CAPITAL FOR LINES IN PR | ogeess and New Line | 8 | | | |
| I (1) Sta | te, by State agency . | | | 319 77 | | |
| I (11) St | ate, by agency of Companies , | | • | 204 14 | | |
| II Old Gu | aranteed Companies . | | | | | |
| III Other | Companies . | | | 72 00 | | |
| IV Branch | Line Companies | | | | | |
| V Local 1 | | • • | • | 13 00 | | |
| } | ņ | TOTAL LINES IN PROGE | | 1 | COS | |
| | • | | GRAND TOTAL | | 150 | |
| : | ABSTRACT SHOWING DIS | ribution by fund | s | | | |
| | r | (a) Open Lines | - | . 322 22 | | |
| | (1) State, by State agency | (b) Construction | • | 319 77 | | |
| I —From Imperial - | | | Total (1) | | 64 | |
| Funns | | (a) Open Lmes | | 345 56 | | |
| | (11) State, by agency of Companies | (b) Construction | • | 20114 | 1 | |
| | | | Total (11) | | 54 | |
| | | | Total I | | 119 | |
| | | (a) Open Lines | • | 33 00 | l | |
| II -From | Capital of old Guaranteed Companies | (b) Construction | | | | |
| | 1 | | TOTAL II | | 3 | |
| | , , , , , , , , , , , , , , , , , , , | (a) Opon Lines | | . 190 01 | | |
| III —From teed (| Capital of Companies other than old Guara companies | (b) Construction | • | 72 00 | ı | |
| 1 | | | TOTAL III | | 28 | |
| | | (a) Open Lines | | 0 30 | | |
| IV —From Guara | Capital of Branch Line Companies with fir intec | (b) Construction | | | | |
| | | | TOTAL IV | | | |
| | | (a) Open Lines | | | | |
| V-From | Capital of Local Boards | (b) Construction | | 13 00 | | |
| | | | TOTAL V | | 1: | |
| | | (a) Open Lines | • | 891 09 [| | |
| | Total, I to V | (b) Construction | | 608 91 | | |
| 1 | | | GRAND TOTAL | | 1,50 | |

APPENDIX 40-contd.

STATEMENT B.

Statement showing proposed lines which are under negotiation for construction by private companies.

| No | NAME OF BAILWAY | Length | Estimated cost | |
|------------------|--|--------------------------|---|--------------------|
| 1 | Bengal— Panchkura to Luff Point with terminal and loading arrangements for ships or steamers at the latter place | Miles 30 | R (a) | |
| 3 4 5 | Bombay— Aden to Nobat Dakim (or Sheikh Othman and D thala) Dholka Dhandhuka Dhaudhuka Raupur Idar Road to Bramhakhed | (b) 40 40 18 93 | Not stated Do Do Do | This is a tramway. |
| 6 7 8 9 | Eastern Bengal and Assam— Borjan to Suntal. Mymensingh, viā Netrol ona, to Bara-Ari, with branch from Shambhuganj to Gauripur Singhjani, viā Sherpur, to Nalitabari Sirajganj Ullapara | 8 96 25 18 | 2,70,000 22,16,000 12,39,000 11,00,000 | This is a tramwsy. |
| 10 | Madras— Tinnovelly Tiruohendur | , 38 | 20,52,000 | |
| 11 | Punjab— & Rawalpindi-Murree, with extensions to Kuldana and Gharial | 40 | 36,89,000 | |

(a) The share capital of the proposed company is £250,000, which, at £15=£1, is equivalent to £37,50,000
 (b) Represents the distance between Adeu and Nobat Dakim, via Lahej The length of the alternative line is not stated.

4

APPENDIX 40—contd STATEMENT C

Memorandum on the construction of railways

| | | y · ·································· |
|---|---|---|
| Open lines on 1st April 1900 | Miles Miles | At the commencement of 1905-1906, ie, on |
| (1) Eastern Rengal (1) Orth Western Oudh and Rohikhand (Agra Delbi Chord (c) | 278 (3) (a) 3 185 56 4 670 29 (b) 1 165 05 | the 1st April 1905, the total length of iailways open for traffic was 27,727.68 miles, made up as |
| Bengal Central (d) Bengal Nagpur | 119 947 12, 69 1 69 ₀ 67 | follows — |
| Bezwada Latension (e) Illiopal Itarsi (British section) (e) East Indian | 23 58 1 13 11 6,010 33 | 5' 6' gauge— Miles Miles |
| Godhra Rutlam Nagda (f*) Great Indian Peulasula Indian Midland (c) | 1 561 63 807 13 | (1) State lines worked by the State 4,629 29 (11) State lines worl ed by companies 6,946 33 |
| (Mairas (North East line) (9) (III) { Bombry Baroda and Central India (Ladras | (x) 497 19 J (x) 504 35 } 1,408 35 | (iii) Companies' lines guaranteed by Govern meet under the old contracts 1,103 36 |
| (ly) Hardwar Behrn (j) (South Beliar (l) (r) < Southern Punish (h) | .78 (6) 8° 04 | (iv) Companies lines guaranteed by Govern- ment under modein cootracts 32 04 |
| (Tapti Vailey (f) (vi) { Delhi Umballa Kalka (k) B Tarkessay (k) | 155 49) 10° 30 | (v) Branch line companies railways assisted by Government under "rebote" terms 659 57 |
| (Bhopal Itars) (Native State section) (c) Bhopal Ujjain (c) Blna Goome Baran (c) | 44 28 2 23 115 7 | (vi) Assisted companies lines— Miles |
| Kolre Cold fields (g) A Nagd Ullin (f) Nizam & Gravanteed State | 14,63 0 93 313,7 709 23 | A Subsidized by the Govern ment of India 162 36 |
| Petlad Cambay (Anand Parapur section) (f) | 230 13 21 00 10 92 | B Receiving land only from Government 22 23 |
| I udhiana Dhuri Jakhal (1) (B (Rajpura Bhatinda (1) | 15 09 78 66 107 06 201 70 | (vii) Notive State lines— |
| (Cawnpore-Burhwal (Metre gauge link) [Eastern Bengal- | (m) 79 69] | A Worked by companies 709 93 B Worked by Stato rulway |
| (viii) { Northern Behar and haught Dhubri sections (encil ding the Ranghat Krishnagar and Teesta | 85 02 } 7,2 23 | 201 70 911 63 |
| Kurigrin bruncles and the British section of the Santrabars extension) (Assam Buggal | 006 71 J 740 39) | 3' 3's" gauge— |
| Burma (untakal Mysore fr ntier (n) Lodhpur liscorabad (Bestuh section) (o) | 1 310 15 119 50 123 98 | (vii) State lines worked by the State 772 23 (ix) State lines worled by companies 7,354 41 |
| Luoknow Barelliy (p) Mysoro sectiou (Southern Mahratta) (n) (ix) { Vieln (p) | 237 04 206 22 16 99 } 7 354 \$1 | (x) District Boulds lines 99 46 (xi) Branch line companies' railways assisted |
| Palaipur Deesa (f) Pajputana Malwa (f) South Indian | (q) 1 651 85 1 123 13 | by Government under Rebite terms 174 17 (xn) Assisted companies lines — |
| Southern Mahratta Tinn relly Quilon (Travancoro) (British section) (r) (Tirhoot (s) | 1 01 7 01 1 50 40 1 505 45 | A Subsidized by the Govern |
| (x) Fanjore District Board (r) Ahmedahad Dhulka (f) (xi) Ahmedahad Parantij (f) Mymonsingh Limalpur Jagannathganj (f) | 33 50 09 46 54 70 (| ment of India 53 92 B Subsidized by Local |
| (xi) Mymonsingh Limalpur Jagannathganj (f) (Noakhalt (Bengal) (u) (A Louldkund and Kam on | 51 37 171 47 31 00 63 03 | Governments 77 50 C Subsidized by District |
| (zil) C Pengai Docars | 77 o0 36 10 | Boards 36 40 D Receiving land only from |
| Dengal Dooars Extensions (Deograps (In) Ledo and Tikak Margherita (v) | 901 60 116 t0 4 70 1 073 15 8 50 | Government 1,023 15 1,190 97 |
| (Bhaynagar Gondal Junagad Lorbandar Bakaner Dhrangadra (x) | (v) 331 10) 215 55 20 81 | (xii) Unassisted companies lines 8 50 (xii) Native State lines— |
| A Jamungar (2) I Iotal or P Jkot (2) Jodhpur | (y) 51 2 40 21 463 80 | A Wo-hed by Native States 1,22174 |
| Morvi Udapur Chitor (Birur Shimoga (n) | (e) 60 7. 67 30 j 37 92 j | 2,103 94 73 60 |
| (xiv) Gackwar s Mch ana (f) Hindupur (hevrantipur Alssore frontier) (n) Hyderabad Godavari Valley (e) | 0° 03 51 3.5 391 13 | Special (2' 6" and 2 0) quages— |
| Kollispur (n) Mysore \angle anjangnd (n) B Sboranur Cochin (g) | 20 27 } 482 20 15 80 [| (xvi) State lines would by the State 168 41 |
| Tinnevelly Quilou (Travancore) (Native State | 61 70 57 98 | (xvii) Stote lines worked by companies 2.001 (xviii) Assisted companies lines— |
| (xt) { Karalkal Peralam (r) { Karalkal Peralam (r) { Pondicherry (r) { West of India Portuguese (n) | 41 87 J 14 65 7 85 73 60 | A Sub idized by Local Gov |
| | 0 18) | ernments 58 76 B Sub-idized by District |
| (xvl) { Dandot Light (2'0') (l) Jothat (2'(") 1 1 2 2 2 2 2 2 2 2 | 30 23 91 73 40 25 | Boards 121 60 |
| (xvii) { 0 ; (aa) } | 213 77 2,0 01 56 21 2,0 01 | C Receiving land only from Government 120 53 |
| TRANSPORTATION (200) | 2705 6878 28 087 18 50 f | (xix) Unassisted companies lines 33 27 |
| (xvin) Howrah Sheakhali I ight (2 0') | 37 10 } 121 60 10 70 { 20 10 } | (xx) Native State linos— A Worked by companies 372 11 |
| (Lars: Light (" 6") C Kalka Simia (2" 6") (Powayan Light (2" 6") (p) (xix) Tarakeshwar Magin Light (2" 6") | 21 59 59 44 30 50 120 53 | B Worked by State railway |
| (xix) Tarakeshwar Magra Light (2 6") | 91 497 183 63 [| agency 405 71 1,178 29 |
| | 32 10 } 3,2 11 24 62 37 37] | TOTAL 27,727 68 |
| (B Cooch Behar (2' 6') (t) | 83 60 | Washing between tishibach and |
| (a) y line not used for public ugo line between Bliatindi State and Rajputana Ma | traffic and % 23 miles of and Knt Kapura, worked lwa railways | (m) Excludes 3 68 miles of the Lucknow Ba cilly railway between \(\text{Lishbb2gh}\) and \(\text{Daligary}\) worked over but includes 10 79 miles of mixed (5 \cappa\) and 3 \(\frac{3}{2}\) gauge 1 ne between Burhwal 1 |
| (b) Includes 10 79 mlles of mixed (5 0" and 3 3"") gan "c Bara Banki 0 50 mile c | lino between Burhwal and es of 3 Ja gauge | (n) railway |
| line between the Ondh Bengal and North Wes (c) Worked by the Great In (d) | atonment and the | (p) 307 miles between Agra Captonment and |
| | us line is the property | "gauge and 26 % miles of mixed (a 6 and care by the Papputana Malwa and |
| (a) (f) (g) (h) Turker block but and 0 (1 makes at 2 0 M marks | Company etween Bezwads and | (r) Worked by the South in upony (2) Worked by the Bengal a (4) Worked by the Eastern 1 |
| hut and Tadipalli (t) lucludes 39 0 0 0 1 miles of 3 31" gruge not and Tadipalli n Viran | line between Kistna Block | (a) Worked by the Assam B (b) Worked by the Assam B (c) Worked by the Assam B (d) Heludes 5 2 raniway |
| (i) Worked by (l) Worked by tl | | (x) Worked by |
| | | (a) Norked by the Bengal Nagpur Pailway Company (a) Worked by the Bengal Nagpur Pailway Company |

APPENDIX 40-contd

| | Lines under construction and exactioned on Blie Morel 1997 | |
|--|--|----------|
| And the mileage under construction or sanctioned for construction on the same date, uz, 1st April 1905, was 3,186 80 miles as follows— | Fastern Tengal— Ankurachi Chord I anchooria lo the river Ganges (a) I snathat to f alcold Ghat agala Mutira (Southern section)— Typica to the crossing of the Chambai river 141 12 | Miles |
| Miles Miles | (t) North Western 1 rom a volul 12 miles south of Que a to | . 516 11 |
| | Farcols to Appricat Pead 10314 241 C7 Shahdra to Pangla 6617 | |
| b' 6" gauge— | Oudh and B hi'thand— Thap's man to Jalaraha! | |
| (1) State lines worked by the State , 516 14 | Ashikal Anagalo of Bengal bangura Bengal bangura Bhojadha to Usribarpur | |
| (11) State lines worked by companies 476 15 | The find in to Larth a felt 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 | |
| (111) Branch lino companies' railways assisted by Government under "Roboto" terms 154 00 | It against a Barris | |
| | Torraciding 1 | 476 LH |
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| 1,203 53 | O Pigle to their n- | |
| | Diar of atoly and and and and and and and and and and | |
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| Special (2' 6' and 2 0') gauges— | (2) Juliu in happr't in Soliat par (Pre'us a clian) (c)- | |
| (x) State lines worked by the State 6 80 (xi) State lines worked by companies 325 52 | Juliunda to the D litish Frontier (Gordia Clan's (2 6')— | 610 |
| (x11) Assisted companies' lines — Miles | Got I a in Chanda (1) I auth (II al reppirit to be reit (1) Juli all rice on (-6) | |
| A Substaired by District | (xi) Chir it and to Bure 10 21 73 Jeft bil recto Bure 1 1 25 60 23 King a tejal to Strong | 2*, 52 |
| B Receiving land only from | Momppur Dhir mpuri (10) | |
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| 754 96 754 96 | Duera to M_olong (d) | 214765 |
| Total 3,130 80 | Shahdara (Dell 1) Saharannur Light (2 6")— | |
| *************************************** | Shahdara to Saharanpur (2003) 1° 00) | |
| There was thus a grand total of railways com- pleted and in hand, on the 1st April 1905, of | (xiii) Colch (2 6")— Abjust of Tima B Gwallor I 'glit (2' 0')— Sabrigarh to Si iupur | 11.86 |
| miles 30,914 48 | Sabrigarh to Si tupur U Juliundur kapparthala Sultanpar (\ titre State et tier)- | 69 60 |
| | bullanpur to the British I routier (c) | 22:02 |

⁽a) Constructed but not worked (b) Commencement of work not authorised.

⁽c) Commencement of work not authorised and question of gauge not finally settled (d) Completion deferred.

APPENDIX 40-contd

| | | | | | 7) ****** | | |
|--|--|------------------------------|---|--|--|---|-----------|
| (ı) } | New lines authorised Reg 'a "Initra— Coos ing of the Chambal river to Muttra Auth to Barun North Western— Facha Garbi to milo 3 | 311/cs 207 0} . 40 00} | 5-17Z {07C2 207C2 | 265-46 | During 1905-1903, ee, from 1s to the 31st March 1906, 621 69 miles way have been authorised as follows | of new | rail |
| ſ, | Agra Delhl Chord— Ko i to sanket | | 6 067 | | 5' 6" gavge- | Hiles | Miles |
| 1 | Bengal Nagrur— Bengal Nagrur— Branch line pear Khaneodib | | 1 97 | | (1) State lines werled by the State | 007.10 | |
| (i)\ | East Iodian— Ag a direct access | 1 757 | *** | 60 67 | (n) State I nes work d by comparies | 265 15 | |
| | Boraclinck to Sedepur Hoo-bly to hatwa | 4 (0) Co 20 } | 72 6sJ | | | S0 6 7 | |
| Ì | Chord line between the Fast Indian and Oud, and Robillhand State railways near Mogha | b (| | | (iii) Branch line company's railway assisted by Government under "Rebato" terms | 23.85 | |
| ί | Earal | | | | | | 372-0 |
| (iii) A | Amritsar Patti | | | -6 62 | | | |
| | | | · | | 3' 3 _b " gavge— | | |
| | | | | | (iv) State lines wo-led by the State | 6 50 | |
| (it) E | Eastern Bengal— | | | | (v) State lines worled by companies | 25 70 | |
| | Forberganj to the Repai Frontier | | | 6 50 | (vi) District Boards lines | 45 0 | |
| (-1) | As«am Bengal— Akhaura to Ashugabj | | 19 (0) | | (vii) Assisted company's lines subsidized by | ₩) ' U | |
| (n) {1 | Burma— Thamaing to Malagaon | | 8,0} | 25 ~0 | Local Governments | 8 50 | |
| (vi) I | Bezwada Masulipatam | | | 4. 90 | (viii) Native State lines- | 200 | |
| • • | Dibru Sadlya | - | | | Miles | | |
| | Talap to Shalkwaghat | • | | 8 20 | A Worl ed by Native States 275 | | |
| 12 | A Morri— Stone Quarry branch (a) | | | 2 75 | B Worked by companies 12 17 | | |
| n‼){ I | Gaekwar a liehsann— | 17 977 | 70 4-1 | | ************************************* | 45 22 | 131 |
| | (Sangil- | 17 °7 } 21 20 } | 39 47 } | 42 47 | | | 701 |
| Ĺ | Aliraj to Sangli Town | | 4.00) | | Special (2' 6" and 2' 0') gauges- | | |
| | | | | | · · · · · · · · · · · · · · · · · · · | #0.00 | |
| | | | | | (ix) Style lines worked by companies (x) Nature State lines weeked by Nature States | 72.26 | |
| (lx) T | Purnila Panchi (2' 6") | | | 72 % | (x) Nativo State lines worled by Native States | 4163 | 116 |
| | Cutch (2 6")— | | | - - | To. | r 4 T | |
| (z) { | Anjar to Bhnj Dholpur Bari (2 6') | | 25 39 } 10 25 } | 41 63 | TO | LYP | 621 |
| ··· | | | | | | | |
| (1 | Lines opened or likely to be opene | | | | And 95583 miles have been or | are like | ely · |
| (zl) { | Fastern Bengal— I anchooria to the river Gangos Pann, hat to Lalgola Ghat | ° (° (° 0°) ° (° 0° 8°) | 103 85 } | · | And 95583 miles have been or be opened to public traffic as follows | | cly |
| (z1) { | Fastern Bengal— I anchooris to the river Gangos Panna hat to Lalgola Ghat North We tern— Sterned Junction to Aushki | (00) | 103 85 } | 167 14 | | - | |
| (±1) { 2 | Fastern Bengal— I anchooris to the river Ganges Panns, list to Lalgola Ghat North We tern— Sperind Junction to Nushki Agra Dellif Cherd— Kost to Sanket | (00) | } | · | be opened to public traffic as follows | | |
| (zi) { 2 (zii) { 1 (zii) { 1 | Fastern Bengal— I anchooris to the river Gangos Punns, hat to Lalgola Ghat North We tern— Sternad Junction to Nushki Agra Delhi Cherd— Losi to Sanket Bugal Nespur— Mohuda to Malkera East Indian— | € 00 } •97 85 } | •63 20} | · | be opened to public traffic as follows 5' 67 gauge— | Miles | • |
| (zi) { 2 (zii) { 1 (zii) { 1 | Fastern Bengal— I anchoorly to the river Gangos Princh list to Lalgola Ghat North We tern— Sperind Junction to Mushki Agra Delli Clurd— A kosl to Sanket B ugal Naspur— Mohuda to Malkera East Indium— Frindpur Chord | € 00 } •97 85 } | *63 20 } | 167 14 | be opened to public traffic as follows 5' 6' gauge— (xi) State lines worked by the State | Miles. | • |
| (zi) { 2 (zii) { 1 (zii) { 1 | Fastern Bengal— I anchoorly to the river Gangos Princh hat to Lalgola Ghat North We tern— Sperind Junction to Nushki Agra Delli Cherd— Agra Delli Cherd— Bugal Nogipur— Mohada to Sanket Bugal Nogipur— Mohada to Malkera East Indiu— Frindpur Chord Mainpuri to karukhabad | (00) | *63 20 *670 | 167 14 | be opened to public traffic as follows 5' 6' gauge— (xi) State lines worked by the State (xii) State lines worled by companies | Miles | • |
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| property of the Ren,al the State on the 1st July of the East Pacific (2) Worked by the South Indian Pallway Company (3) Worked by the South Indian Pallway Company (4) Worked by the South Indian Pallway Company (5) (6) (7) Worked by the South Indian Pallway Company (8) Worked by the Passam Railways and Trading Company (8) Worked by the Bengal State Railway (9) Worked by the Oudin and Robilkhand State Pallway (1) Worked by the Oudin and Robilkhand State Pallway (1) Worked by the Past Indian I allway Company (1) Worked by the Fast Indian I allway Company (1) Worked by the Fast Indian I allway (2) Worked by the State with effect from the 1st January 1903 and transferred to Slate lines worked by Company (2) Worked by the State with effect from the 1st January 1906 and arraignment of with the Assam Bengal railway (2) Worked by the State with effect from the 1st January 1906 and arraignment of with the Assam Bengal railway (4) Worked by the State with effect from the 1st January 1906 and arraignment of with the Assam Bengal railway (5) Madd— Act Increase due to corrections of milerge Add— Act Increase of the Corrections of milerge (5) Sa | (c) Worked by the Great Indian Peninsula Railway Con | npany his line was the | (o) | | |
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| † Purchased by the State with effect from the 1st January 1903 and transferred to Slate lines worked by Companies † Purchased by the State with effect from the 1st January 1906 and arraigamated with the Assam Bengal railway Open at the commencement of 1000-06 Opened during 1905 06 Add— Net Increase due to corrections of milerge O 30 | | ilenge | te, worked by the henga - Angpur Rallway Company | MUITI | |
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| Add— 28 6 3 51 Net Increase due to corrections of milerge 030 | g alado up as follo Open at the c Opened deriv | ommencement of 1005-06 | 27,7°7 68 | | |
| Net Increase due to corrections of milerge 030 | | | | | |
| | Add— Net Incre | ase due to corrections of milers | 4 | | |
| | | | | | |

APPENDIX_40-contd

| | Lines under construction and sanctioned on 3 (Castern Bengal— Kankurgachi Chord | 1st March 1906 Miles Miles 2 25 | Miles | And the mileage under co | the 37st | March | 2006 |
|-------------------|---|--|-------------------------|---|---------------|-----------|------------------|
| | Nagda Muttra— Nagda to Muttra | : | | will be 2,766 54 miles, made | up as fol | lows | |
| (i) { | Kotah to Baran North Western | 313 98 383 93 | 695 23 | | | | |
| | hacha Garhi to mile 23 Sargoda to Shorkot Road Shandara to Saugla | 23 00 103 14 *55 35 | | b' 6" gauge— | M_{1los} | Miles | Miles |
| į | Oudh and Rohllkhaud— Phaphaman to Zafarahad | 57 50 | | (1) State lines worked by the | | | |
| | Azhikal Mangalore Bengal Nagpur— | 77 27 | | State . (11) State lines worked by com- | | $625\ 22$ | |
| | • | 25 61 2 29 1 97 29 89 | | panies panies | | 507 07 | |
| | East Indiaa— Agra direct access | | | (m) Branch line companies' rail ways a sisted by Govern | | | |
| | Bhagaipur to Bausi Borachuk to Sodepur | 1 75 31 04 4 50 | | ment under "Rebute ' terms | | 26 85 | |
| | Chord line between the East Indian and Caud Robilkland State railway near Mo | ghal | | (iv) Nntive State lines worked by | | | |
| (iı) - | Sarat Hoogly to Katwa Khurja to Hapur | 05 20 } 315 34 30 49 } | 507 07 | companies . | | 1 39 | 1,160 53 |
| ``` | Mile 1701 from Howrah on the Jharla hra to Chandore | nch 4 16 | 007 | 21 23# | | | - ,100 00 |
| | Ondal to Sainthia Manpur to Dhanbaid | 14 93 121 49 | | 3' 3\frac{1}{2}" gauge— | | | |
| | Aagri to Kasunda Great Indiau Peuinsula— Kurla to Mazagaon | 1 59) | | (v) State lines worked by the | | 227 75 | |
| | Mahim liuk Warora to Bellarpur | 6 51 1 33 37 59 45 42 | | (vi) State lines worked by com | | 221 10 | |
| | Indian Midland— Portion of Agra Balinganj branch | 2 24 | | panies (vii) District Boards' lines | | 350 54 | |
| | Madras (North East line)— Korn-kuppettal to Besin Road | 0 85 | | (viii) Assisted companies lines— | | 51 43 | |
| (iii) | Salem Attur (a) Amritsar Patti Petiad Camhay (Tarapur Camhay section)— | _ 80 00) | 26 85 | A Subsidized by the | | | |
| | Cambay to Cambay Bandar Lastern Bengal | | 1 39 | Government of India | 92 00 | | |
| .,, | Forbesgani to the Nopal Frontier Katihar to Godagari | 105 00 | 227 75 | B Subsidized by Local Government | 8 50 | | |
| ! | Kokrajhar to the Brahmaputra river oppo Assam Beugal— Akhaura to Ashuganj | 3 | | C Receiving land only | _ | | |
| ` | Burma— Thaming to Malagaon | 6 79 | | from Government | 81 84 | 182 34 | |
| Ī | Burma Extensions— Henzada to Kyangin | 65 66 121 27 186 93 | | (1x) Native State lines- | | 20203 | |
| | Pegu to Martahan (a) | 1 | 454 84 | A Worked by Nativo States | 0 22 | | |
| (Y1) { | Cooncor to Octacamund South Indian— Mandapam to Rameswaram Templo | 10 195 | 350 54 | B Worked by companies | 2 75 83 07 | | |
| I | Tangachimadam to Port Ampthili Turuppachettal to Sivagunga | $\begin{bmatrix} 10 & 12 \\ 1 & 71 \\ 9 & 00 \end{bmatrix} 29 & 83$ | | | | 85 82 | |
| 1 | Tirhoot— Manei to Bhaptishi Karkatinganj to Bagaha | 69 37 20 60 } 105 53 | | | | | 897 88 |
| Į | Saharsa to Murligauj | 20 60 } 105 58 J 18 61 } 45 90 } | | Special (2' 6" and 2' 0") gauges- | | | |
| (Yiı) { | Bezwada Masulipatam Taujor, District Board— Adirampatanm Salt siding . | 1001 8 | 51 43 | (x) State lines worked by the | | | |
| | Arantangi Quarry hranch Thamhii kottai Salt siding | 3 90 } 5 53) 9 63 | | State | | 6 80 | |
| (| A Bohikund and Kumaon— Laikua to Kashipur Moradahad to Bamnagar | 45 00 } 47 00 } | 02 00 | (x1) State lines worked by com panics | | 945.00 | |
| , | B Dibru Sadiya— Talap to Sheikhwaghat | 3, 00, | 8 50 | (x11) Assisted companies lines— | • | 345 92 | |
| • | C Bengal and North Western— Dharonda to Maharriganj | 3 207 | 04 | A Subsidized by District | | | |
| , | Gorakhpur to Bagaha Sayan to Thawo A Morvi— | 60 94 17 00 | 81 84 | Boards B Receiving land only | 12 50 | | |
| İ | Stone Quarry hranch (b) (Gaekwar s Mehsana— | • | 2 75 | from Government | 207 66 | | |
| (ıx) { | Chausama to Bechraji Manund Road to Hanj B Jaipur— | 17 27 21 20 38 47 | | | | 220 16 | |
| | Nawai to Siwai Madhopur • Sangli — | 49 60 | 83 07 | (xiii) Native State lines— | | | |
| (x) | Julinudur Kapurthala Sultaupur (Bretish section) | 4 00) (c)— | | A Worked by Native States | 44 63 | | |
| | Juliundar in the British frontior Gondia-Chanda (2 6')— | 1 | 6 80 | B Worked by companies | 68 60 | | |
| | (a) | · 63 75 } 212 40 | | C Worked by State rail way agency | 22 02 | | |
| (zi) { | Chhindwara to Burecolo Lursadeyi to Sirgora | 21 36 7 76 32 14 61 26 | 345 92 | | | 135 25 | |
| | Nemper to Maudia Purulia Rauchi (2' 6') A. Howenh Americant (2' 6') | *32 14) 72 20) | | | | | 708 13 |
| i | A Howrah Amta Light (2' 0')— Autpur to Champadanga (a) Autpur to Rajhulhat (a) | 9 00 } 3 50 } | 12 50 | | TOTAL. | - | O FCC FA |
| (ziı) <u>{</u> | Barsi Road Ju to Pandharpur | 30 67 50 37 50 37 | | | TOTAL | • | 2,766 54 |
| 1 | Knsiamh to Tadwala Dwara Therria Li, ht ("'6")— Dwara to Medicar (d) | | | Making a grand total of | | | |
| | B Maciona to Maciong (d) Maciona to Therria Ghat (a) Matheran (2 0")— | 13 50 19 50 | 207 69 | completed and in hand, at t | | | |
| | Shalidara (Deliu) Saharaupur Light (2' 6")— | 12 79 | | mencement of 1906-1907 of n | niles | †31,4 | 50 35 |
| , | Barant to Meernt Shahdara to Saharanpur (Cutch (2'6")— | 30 00 95 00} 1°5 00 | | And showing, after allow | ang for | | |
| j | A Anjar to Bhuj Dholpur Bari (2' ?') B Gwallor Light (2 0')— | 25 38 } 10 25 } | 44 63 | lines abandoned and correct | | | |
| | Sahalgath to Shippur | | 68 60 | mileage, an advance on the | previous | | |
| | C Juliondur Kapurthala Suitaupur (Native State : Eultaupur to the British Frontier (c) | ·········· | 22 02 | year of miles | | 5 | 35 87 |
| | (a) Commencement of work not authorized (b) This branch is on the 2' 6" gauge (c) Commencement of work not authorized and | mestion of gange and a | ne 17- c-44 | (d) Completion deferred | | | |
| 1 | T Made | up as 10110ws — mpleted and in hand at | the begin | Nile - | | | |
| | Sa . | actioned annual 1503-06 | 3 | 621 69 | | | |
| | Add- Inc 1 | — Rease in mileago of the pulpur Gondia extensio | Mandla | 51 536 17 branch of the Juh 9 47 | | | |
| | Dedu | et— | | 31 545 64 | | | |
| | his Ne | dura District Light ra: t decrease due to corre | tway ahr ctions of i | ndoned 93 00 nilegge 2 29 | | | |
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31,450 35

APPENDIX 40-concld

| | 4 | *** | MULL | | | |
|--|------------|----------------|----------|--------------|--|----------------|
| It is expected that the foll | owing | ; lengt | hs of | , | Kankurgachi Chord 225) | liles |
| unfinished line will be opened f | or pu | iblic t | raffic | m. | Nagda Muttra- Nagda to Morak North Western- | |
| ın 1906-1907 — | | | | 10 | 103 14 3 169 49 3 | 1076 |
| El O | | Miles | Miles | į | Azhikal Mangaloto | |
| 5' 6' gauge— (1) State lines worked by the State | | 319 76 | | | Bengal Nappur – Blojudih to Hariharpur 25 64 | |
| (1) State lines worked by companies | | 348 65 | | (ú). | East Indian — | 45 63 |
| (111) Branch line companies' railways as-iste | ed by | 90.05 | | (u) | Ondal to Saiuthla 44 23) Great Indiau Peninsula— | |
| Government under "Rebate ' terms | | 26 85 | 695 26 | | Warora to Bellarpur Indian Midland— | |
| 3' 3} gauge- | | | | (iii) | Portion of the Agra Ballinganj branch 221.7 Amrilaar Patti | 26 65 |
| (1v) State lines worked by companies | • | 105 58 | - | (1-1 | Tirhoot— co 37) | |
| (v) Assisted companies' lines- | Miles | | | (it) | . 1801 1 | .0. 58 |
| A Subsidized by the Govern- | 92 00 | | | (v) | \$ 45°00 } 47°00 } 47°00 } | ชา 00 |
| ment of India B Receiving land only from | 32 00 | | | | ` | CO 94 |
| Government | 60 94 | 152 94 | | (17) | Barel Light (2 6')— | |
| _ | | | 258 52 | , | Kuslamb to Tadwala | 1070 |
| Special (2' 6" and 2' 0") gauges- | | | _ | | Angda Muttra— Moral to Muttra | |
| (vi) Assisted companies lines receiving | land | | 19 70 | (Til) | North Western— | 305 40 |
| only from Government | mor i | __ ~ | | | Bengal Nagpur- | |
| | TOTA | ,11 | 973 48 | | Branch line near Khaneedth 1'075 | |
| | | | | | Agra direct access Bhagalpur to Bansi 31 01 460 | |
| Leaving the undermentione | d line | e for | com- | | }109 13 | |
| pletion in 1907-1908 of later — | iu iiii | 23 101 | OUM- | (trij) | Satai 110 Horphly to Autwa 65 20 > 1 Allie 1 01 from Howrsh on the Jharia branch | 153 13 |
| bremon in 1901-1900 or facer — | | Miles. | Miles | | to Chandore 416 Nagri to Kusunda 1199 | |
| 5' 6' gauge | | | | | Great Indian Peninsula Antin to Mazagaon 651 783 Mahtu liuk 1 -2 783 | |
| (vii) State lines worked by the State | | °05 16 | | | Malras (North Fast live)— hornkluppettal to Basin Pead 0.85 | |
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| 8' 32' gauge— | | | | | Forbesgan to the Nepal Frontier (50) Ratibar to Codapari (50) | 277 73 |
| (x) State lines worked by the State | | 227 75 | | | Kokrathar to the Brahmsputra river opposite Gauhati 116 % | |
| (x1) State lines worked by companies | - | 214 96 | | | Burma— Thamaing to Malagoan 6-0 | |
| (x11) District Bouds' lines | | 51 43 | | (xi | Burma Fatusions— Henrada to Kyangin Pegu to Martaban (a) 1-127 180 93 | 244 00 |
| (xiii) Assisted companies lines- | Miles | | | 121 | Nigri—Coonor to Octacamund 11 50 | 244 00 |
| A Subsidized by Local Govern- | 8 50 | | | | South Indian— Moudapam to Pameswaram Temple 10 125 | |
| ments | 0.00 | | | | (Regrado Vasulipotam 4, 00) | |
| B Receiving land only from Government | 20 10 | 00.40 | | (x11 | Temfore District Board— | 51 43 |
| · And a Child Inno | | 29 40 | | | (23 (250 | |
| (x1v) Native State lines— A Worked by Native States | 2 75 | | | (xix | Ta'ap to Shult washat | 8 50 |
| B Worked by companies | 83 07 | | | | (A Morri— | 20 90 |
| • | | 85 82 | 039 36 | {ziv | blone Quarry branch Gackwar s Vebsan | 2.75 |
| S 1/0/ S 1/0/ S | | | | \ | Chausama to Rechred 17 27 38 47 Mauand Road to Harlj 21 0 38 47 | |
| Special (2' 6 and 2' 0') gauges— | | 6.60 | | | Saugh- 40 00 | E3 07 |
| (xv) State lines worked by the Stato (xvi) State lines worked by companies | • | 6 80 345 92 | , | / | [Miraj to Sangh Town 400] | |
| (xvi) Assisted comprises lines— | | 040 04 | | 127 | Julinndar Kapurthala Sultanpur (<i>British section</i>)— Juliundar to the British Frontier (b) Gondia (Landa (. 6 ¹⁷)— | 6 80 |
| , . | Miles | | | | Gondin to Chanda (a) 148 63 212 10 03 75 212 10 | |
| A Subsidized by District Boulds | 12 50 | | | (XY | 21 36 7 70 70 10 123 30 11 | 345-93 |
| B Receiving land only from Government . | 187 96 | | | | 72 26) | |
| | | 200 4G | | | [' (n) , 900) | 12 50 |
| (xviii) Native State lines— A Worked by Native States | 44 63 | | | (svi | | |
| B Worked by companies | 68 60 | | | | Dwara to Maoloug (c) 19 50 | 7 |
| C Worked by State railway | | | | | Matherau (2 6")— Acral to Matherau | 187-96 |
| ng.ney | 22 02 | 135 25 | | | Shahdara (Delhi) Saharanpar Light (2' 0")— Barant in Meerut | |
| 6 | | | 688 43 | | [Cutch (" 6")— [A Aplar to Blut 25.38) | 4, |
| | ATOTA | L | 1 793 06 | (xvii | A Anjar to Blud 25.83 | 41 53 |
| | | • | | | lo " | GS 60 27 02 |
| (a) Commence | ement of v | work not an | thorized | | | |

⁽a) Commencement of work not anthorized
(b) Commencement of work not anthorized and question of gauge not finally settled
(c) Completion deferred

APPENDIX 41.

Constitution of a Railway Board, and abolition of the Public Works Department (Railway Branch) of the Government of India.

No 256 G

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT

GENERAL

Calculta, the 18th February 1905

Read-

- P W D Resolution No 3396 G, dated the 23rd December 1897.
- P W D Resolution No 293 G, dated the 1st March 1900
- P. W D Despatch No 2 Ry, dated the 7th January 1904, to the Secretary of State for India

Desputch No 65 Ry, dated the 19th August 1904, from the Secretary of State for India

RESOLUTION—The Government of India have had under consideration the recommendations made in his Report on the Administration and Working of Indian Railways by Mr Thomas Robertson, C V O, Special Commissioner for Indian Railways, with regard to the constitution of a Railway Board to control the railway system in India and its extensions, in place of the Public Works Department, Railway Branch, of the Government of India

- 2 The conception of a Railway Board is not new, it has been advocated and considered on various occasions for many years past. Its central idea is that there should be a body of practical business men entrusted with full authority to manage the inilways of India on commercial principles, and freed from all non-essential restrictions, or needlessly inelastic rules. In view of the great expansion that has taken place in the railway system of India, and of the necessity which has in consequence arisen for providing more powerful and efficient machinery for the rapid disposal of the increasing business, the Government of India placed before His Majesty's Secretary of State for India certain proposals for the constitution of a Railway Board, which, with some modifications, have now received his sanction
- 3 There are two distinct classes of duties with which the new authority will have to deal. The first is deliberative and includes the preparation of the railway programme and the greater questions of railway policy and finance affecting all lines. The ultimate decision on such questions must of necessity rest with the Government of India.

The second class of duties is administrative, and includes such matters as the construction of new lines by State Agency, the earrying out of new works on open lines, the improvement of iailway management with regard both to economy and public convenience, the arrangements for through truffic, and the settlement of disputes between railways. It is in respect to these duties that the greatest advantage in the establishment of an authority outside the Government of India is looked for

4 The Railway Branch of the Public Works Department of the Government of India will be abolished, and the control of the railway, system in India

APPENDIX 41-concld

is hereby entrusted to a Railway Board consisting of three persons—a Chairman and two Members. In the Chairman of the Board is vested the general control of all questions committed to the Railway Board, and the power to act on his own responsibility, subject to the confirmation of the Board. The Railway Board are also authorised to delegate to the Chairman or a Member the power of settling questions which may arise on any tour of inspection, such decision to be recorded subsequently as an act of the Railway Board.

- 5 The Railway Board will be provided with a Secretary and such establishment as may be considered necessary for the conduct of their business. All correspondence hitherto addressed to the Secretary, Public Works Department, Railway Branch, Government of India, and to the Directors of Railway Traffic and Construction, will in future be addressed to the Secretary to the Railway Board. Communications from public bodies interested in iailway questions should also be addressed to the Board, either direct or through the Local Government concerned.
- 6 The Government of India desire that all orders which the Railway Board may issue shall be accepted as the orders of the Government of India Separate orders will issue investing the Railway Board with certain of the functions of the Governoi-General in Council under the Indian Railways Act (IX of 1890), as soon as the necessary legislation has been earried out. The responsibility of acting in accordance with the policy desired by the Government of India, rests with the Board and their advisers.

7 The head-quarters of the Railway Board will be at the head quarters for the time being of the Government of India.

The Governments of Modras and Bombay, Public Works Department, General and Railway Branches

The Governments of Bengal the United Provinces of Agra and Oodb, ood the Punjab, Public Works Department

The Government of Burma, Public Works Deportment, General and Railway Branches

The Honogroble the Cluef Commissioners of the Central Provinces and Assam The Chief Commissioner of Coorg

The Henouroble the Resident at Hyderabad

The Honouroble the Agents to the Governor General for Central India, Rajputano and Balochiston

The Honourable the Agent to the Governor General and Chief Commissioner, North West Frontier Province

The Accountont Geoerol, Public Works Popartment

The Director General of Valitary Works

The Consulting Engineers to the Government of Iodia for Rnilwoys, Calcutta, Luckoow and Assam

The Director General of Telegrophs

The Monagers, North Western, Oudh and Robilkhond, and Eastern Bengal Stote railways

The Engineers in Chief, Ganges Bridge and Agra Delhi Cherd railway

The Eogineer in Chief, Murahidobad Branch, Eastern Bengal Sente rollnay

The Engineer in Chief, Nagda Muttra railway survey

ORDER —Ordered that this Resolution be communicated to all the Departments of the Government of India, and to the Local Governments, Administrations and Officers, noted on the Also that it be margin published in the Gazette

of Indra.

APPENDIX 42

Amendment in rule 3 of Chapter III, Part I, of the General Rules for working open lines of railway

CIRCULAR NO. R. T 62.

RAILWAY BOARD

Simla, the 1st June 1905

READ-

Section 47 of the Indian Railways Act, 1890 (IX of 1890)

Government of India, Public Works Department notification No 118, dated the 21st March 1895, and the Government of India circular No 6 Railway, dated the 12th March 1895, published thereunder

Government of India, Department of Revenue and Agriculture memorandum No 436-71-17, dated the 21st February 1905

Government of India, Department of Commerce and Industry notification No. 801, dated the 24th March 1905

Railway Board's letter No R T 62, dated the 20th April 1905

RESOLUTION

The Government of India having decided, after consulting the several Railway Administrations, to introduce upon all railways (other than local disconnected lines where the change would be inconvenient) and in all telegraph offices, a Standard time which will in India be exactly $5\frac{1}{2}$ hours in advance of Greenwich and 9 minutes in advance of Madras time and in Buima $6\frac{1}{2}$ hours ahead of Greenwich and 5 minutes 23 seconds earlier than present Rangoon time, the necessary instructions were issued to all Railway Administrations concerned to introduce the Standard time at midnight between the 30th June and the 1st July 1905. This has necessitated an amendment of inle 3 of Chapter III, Part I, General Rules for working open lines of iailway in India, which preseribes the use of Madras time.

2 In exercise of the powers conferred by the notification of the Government of India in the Department of Commerce and Industry, No 801, dated the 24th March 1905, read in the preamble above, the Railway Board are pleased, under section 47, sub section (4) of the Indian Railways Act 1890 (IX of 1890), as in force in British India of as locally applied, to sanction the adoption on and from the 1st July 1905 by the Administrations of the Railways concerned, whether in British India, in foreign territory or in Native States, to which the General Rules for working open lines of railway, promulgated with the Government of India circular No 6 Railway, dated the 12th March 1895, apply of the accompanying amendment in rule 3 of Chapter III, Part I, of the said General Rules

Order—Ordered that this circular, with its enclosure, he published under a notification in Part I of the Gazette of India as required by section 47, subsection (3), of the Indian Railways Act, 1890 (IX of 1890), and that a copy

APPENDIX 42-concld.

thereof be kept open for inspection at railway stations as directed by sub-section (6) of the same section, also that a copy of this circular and of its enclosure be

Tie G vernments of Madras Bombay and Burma, Public Works D. partm nt, Rail vay Brinch

The covernment of Bengul, Public Works and Marine Departments

The Heremable the Chief Comm sucuer Assum

The Honourable the Residen' at Hyderabad.

The Honournble the Agent to the Governor General for dayputaun

The Consulting Ingineers to the Government of India for Railways, Calcutts, Lucknew, and Assam

The Mningers, North Weitern, Oudh and Robilkhand and Fastern Bengal (State) Rulways

communicated to the Local Governments and Administrations, and to the officers noted in the margin, for information and guidance, and to the Governments of the United Provinces and of the Punjab. the Honourable the Chief Commissioner of the Central Provinces, the Monourable the Resident in Mysore, the Honourable the Agents to the Governor General in and Baluchistan, the India Central Honourable the Agent to the Governor General and Chief Comm ssioner of the North-West Frontier Province, and the

Document accompanying

Corrigendum referred to

Enclosure to Railway Board's circular No. R. T 62, dated the 1st June 1905.

Accountant General, Public Works Department, for information.

Amendment in rule 3 of Chapter III, Part I, of the General Rules for working open lines of railway, promulgated with the Government of India. Public Works Department circular No. 6 Railway, dated the 12th March 1895.

In rule 3 of Part I, for the words "Madras time," read "Standard time."

APPENDIX 43

Proposals relating to projects for new railways or extensions of existing railways.

No. R C 313

RAILWAY BOARD

To

THE GOVERNMENTS OF MADRAS AND BOMBAY, PUBLIC WORKS DEPARTMENT, RAILWAY BRANCH

THE GOVERNMENTS OF BENGAL, THE UNITED PROVINCES OF AGRA AND OUDH, AND THE PUNJAB, PUBLIC WORK- DEPARTMENT

THE GOVERNMENT OF BURMA, PUBLIC WORKS DEPARTMENT, RAILWAY BRANCH

THE HONOURABIE THE CHILF COMMISSIONERS OF THE CENTRAL PROVINCES AND ASSAM

THE HONOURABLE THE RESIDENT AT HYDERABAD

THE HONOURABLE THE RESIDENT IN MYSORE

THE HONOURABLE THE AGENTS TO THE GOVERNOR-GENERAL FOR CENTRAL INDIA, RAJPUTANA AND BALUCHISTAN

THE HONOURIBLE THE AGENT TO THE GOVERNOR-GENERAL AND CHIEF COMMISSIONER, NOLTH-WEST FRONTIER PROVINCE

THE CONSULTING ENGINEERS TO THE GOVERNMENT OF INDIA FOR RAILWAYS, CALCUTTA, LUCKNOW AND ASSAM

THE MANAGERS, NORTH WESTERN, OUDH AND ROHILKHAND, AND EASTERN BENGAL STATE RAILWAYS

Simla, the 23rd June 1905

SIR,

I am directed to say that the Railway Board would be glad if Local Governments would, at any time, send forward proposals relating to projects for new railways, or extensions of existing railways, which they may consider to be desirable in the interests of the various Provinces. It is suggested that the Local Governments should enter into direct consultation with the Railway Administrations likely to be affected by the construction of the lines which may be proposed.

APPENDIX 44

Revised form of agreement for extensions of railways into private premises.

No R T 75

RAILWAY BOARD

To

- (1) THE MANAGER, NORTH WESTERN RAILWAY
- (n) ,, OUDH AND ROHILKHAND RAILWAY
- (111) " EASTERN BENGAL STATE RAILWAY

Simla, the 28th July 1905

SIR,

WITH reference to correspondence ending with (ii) and (ii) Government of India Pable (iii) Railway Board & letters No. 181 (iii) Railway Board & l

2 I am to add that the revised form is intended as a guide and that the Railway Board will be pleased to consider any modification of the terms necessary to meet particular cases

Document accompanying.

Revised form of agreement referred to

No R T 35, dated Simla, the 28th July 1905

Copy, with copy of the enclosure referred to, forwarded to the Local

- (1) to (11) The Secretaries to the Governments of Mauras, Bombry and Barma, Public Works Depart ment, Bailway Branch
- (1v) The Sceretary to the Government of Bengal, Public Works Department
- (v) The Honourable the Chief Commissioner of Assim
- (vi) The Honourable the Resident at Hyderabid
- (vii) The Honourable the Agent to the Governor General for Lajputana
- (viii) to (x) The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Assam

Governments and Administrations and to the officers noted on the margin, for information and guidance, with reference to correspondence ending with (1) to (vil) and (xx) and (x) Covernment of Indea Public Works Department of Little No 180 II. T dated the 23rd October 1912 (viii) Government of India Public Works Department of India Public Works Department of India Public Works Department, letter No 1800 II. C dated the 18th August 1904

and with the remark that the revised form of agreement now approved for State Railways may be taken as a general guide in preparing similar agreements

2 Should any modification of the terms be considered desirable, recommendations to meet the requirements of particular eases will receive the consideration of the Railway Board

APPENDIX 44-contd

STATE RAILWAY

Revised form of Agreement approved by the Railway Board for Extensions of the State Railway into private premises

The Railway Administration will undertake the survey, construction and equipment of sidings leading from the main line, the sidings or stations of the railway for the traffic from Mills or other industries in the vicinity of the railway on the following conditions —

Survey and Construction

- 1. On the application and signature of the form of acceptance at the foot of these conditions, by the owners of a Mill or other industry (throughout these conditions referred to as the applicants) and on payment by them in advance of Rs 200 for the first mile or part of a mile of siding required and Rs 50 for every quarter mile or fraction thereof in excess of one mile, a survey for the siding to be constructed will be made by the Railway Administration. The above charge will cover the cost of preparation of the necessary plans and estimates, single copies of which will be sent to the applicants on completion Applicants who require alterations to the plans which involve more survey work will have to pay as for a fresh survey
- 2 Plans and estimates for the siding, in which shall be included the estimate of the cost of the acquisition of the land, will be subject to the sanction of the Railway Board, which sanction will be applied for by the Railway Administration as soon as the applicants have complied with the requirement of the 4th condition as to the amount to be doposited
- 3 The land required for the siding outside the railway boundaries will be acquired by Government under the Land Acquisition Act Land so acquired will vest absolutely in Government and the applicants will have no right or claim thereto
- 4 On receipt of a statement of the advance required by the Railway Board to be made for such purposes as they may think necessary, including the estimated cost of acquisition of the land by Government, the applicants will deposit the amount thereof with the Railway Administration, and the Railway Administration will, on the plans and estimates for the siding being sanctioned by the Railway Board, proceed to the acquisition of the land. If the amount expended by the Railway Administration for the purposes mentioned in the said statement shall exceed the amount of the deposit by the applicants under this condition, the applicants will pay the Railway Administration on demand the amount of such excess
- 5 The work to subgrade of the siding, that is, earthwork, bridging, ballast, etc., will be carried out at the expense of the applicants, but may, with the sanction of the Railway Administration, if so desired, be done by the applicants. Such work, if done by the applicants, shall be in accordance with the plans and specifications prepared by the Railway Administration and shall be approved by the Engineer of the Railway Administration before the iails are laid. Should the applicants, on undertaking to do the work, require the help of the staff of the Railway Administration in surveying or setting out the earthwork, etc., a charge of Rs. 32 will be made for each day or part of a day that the staff is so employed. If the subgrade work is carried out by the Railway Administration the applicants shall deposit beforehand the estimated cost of it, including a charge for supervision at 17 per cent on the total amount of the estimate, excluding all stores issued from stock and freight charges on the same—stores issued from stock will be charged at the booked rates, as shown in the railway priced ledgers, plus a sum of 10 per cent for stores supervision—and agree to pay on demand any excess expenditure over the estimate that may be incurred by the Railway Administration in the actual execution of the work

APPENDIX 44-contd.

Maintenance of the siding

- 6 The ordinary maintenance of all work to subgrade shall be done by, or at the expense of, the applicants, the supervision by the Railway Administration, where required, being paid for as provided in clause 5 Such emergent maintenance as the safety of the lines worked over by the railway demands will be done, as required by the Railway Administration, and the applicants agree by the acceptance of these terms to pay on demand any expenditure incurred by or through the Railway Administration on this account
- 7 On completion, to the satisfaction of the Railway Administration, of the subgrade work, including provision of ballast, the permanent way materials, that is, sleepers, rails, fastenings, points and crossings will be provided, laid and maintained by the Railway Administration free of charge. The Railway Administration will further provide free of charge the girder work of bridges and any station machinery necessary.
- 8 In the event of the applicants abandoming the use of the siding, or in the event of the traffic to and from the siding being at any time in the opinion of the Railway Board insufficient to justify the continuance of the siding as such, the Railway Administration will be at liberty on giving to the applicants 30 days' notice to remove the permanent-way materials and all girder work and machinery provided by the Railway Administration from the siding, provided that if the applicants shall be desirous of keeping the siding open for traffic, and shall intimate their desire to the Railway Administration before the removal of the permanent-way materials, girder work or machinery shall have commenced, the Railway Administration will continue to so maintain the siding on condition that the applicants pay half-yearly any expense entailed on the Railway Administration by the siding being so kept open. If the permanent-way materials of the girder work of station machinery or any portion thereof shall be removed by the Railway Administration in exercise of the liberty reserved in this condition, the cost of such removal will be borne by the applicants and be paid by them to the Railway Administration on demand
- 9 The Railway Board may at any time construct or permit the construction of any branch or extension of the siding, and may work traffic over the siding to and from such branch or extension. The Railway Board may sanction the use of the siding for the traffic of persons other than the applicants on payment to the applicants of a remuneration for such use, the amount of such remuneration to be determined by the Railway Administration. The working of such branch or extension, and the use of the siding by persons other than the applicants will be so conducted as to interfere as little as possible with the free use of the siding by the applicants, whose traffic shall have precedence
- If it shall become necessary to extend the siding beyond the land acquired by Government into the piemises of the applicants, such extension will be constructed by the applicants in accordance in all respects with plans approved by the Railway Administration, and at the cost of the applicants The entire cost of working such extension will be borne and paid by the applicants, and all property of the Railway Administration, while on such extension, will If desired by the applicants, the be at the entire risk of the applicants Railway Administration will undertake to supply all labour for the maintenance of those portions of the siding situated within the premises of the applicants for a monthly payment by the applicants to the Railway Administration of Rupecs 32 per mile of siding maintained, subject to a minimum charge as for half a mile For lengths over half a mile, the charges will be as for $\frac{3}{4}$, $\frac{1}{1}$, $\frac{1}{4}$ miles, etc., increasing by 4 mile increments Materials required for such renewals, as may be necessary on the portion so maintained, will be supplied by the Railway and charged to the applicants at the lates shown in the Railway priced ledgers plus a sum of 10 per cent for stores supervision all unserviceable material removed from portions of the siding so maintained shall be handed over to the applicants In the case of sidings constructed throughout at the cost of applicants under clause 5, the same scale of charges will apply to the maintenance of the siding by the Railway.

APPENDIX 44-contd

- 11 If so desired by the Railway Administration, a weigh-bridge and weigh-bridge siding shall be provided. Such weigh-bridge siding will be constructed by the Railway Administration of by the applicants, as the case may be, upon and in accordance with the foregoing conditions governing the construction of the original siding, and on completion of the works of the siding up to subgrading, the weigh-bridge and the permanent-way materials necessary for such siding will be provided, laid and maintained by the Railway Administration If for the purpose of constructing such weigh-bridge and siding any land outside the boundaries beyond that acquired by Government for the original siding shall be required the foregoing conditions regarding the acquisition of land for the original siding shall apply to the acquisition of such additional land.
- 12 If a weigh-bridge or weigh-bridge siding shall be constructed, the applicants will provide quarters for a weigh-clerk, and all labour from time to time necessary for the proper performance of the operation of weighing within the free time allowed for the use of wagons. The weigh-clerk will be a servant of, and paid by, the Railway Administration
- 13 In the event of its being necessary, subsequent to the original construction of the sidings, to make any alterations or additions thereto, or to provide such items as fencing, signals or improved safety appliances, or machinery of any kind, or to provide quarters for signallers or staff for the working of the siding, such additional works shall be provided, subject to the general conditions governing the original construction, that is, the cost and maintenance of works to subgrade, or of works that would be abandoned if the siding were closed, shall be borne by the applicants and the cost of permanent-way materials, station machinery, signals and such items of works, supplied at the cost of the Railway Administration as would be removed by the Railway Administration in the event of the siding being abandoned, shall be borne by the Rulway No addition or alteration shall be made to the siding by the Administration applicants without the written sanction of the Railway Administration, noi without such sanction shall any temporary or permanent structure be erected by the applicants in such proximity to the siding as to effect in any way the working of trains over the siding All sanctioned additions or alterations to the siding made by the applicants, and all sanctioned structures erected by the applicants shall be made or crected in all respects in compliance with the regulations of the Railway Administration for the time being in force
- 14 All sums, which under the foregoing conditions shall be payable by the applicants on demand, shall if not so paid bear interest at 10 per cent per annum from date on which payment was demanded

Traffic Working

15 Freight for all classes of goods, up to and from the station at which the siding takes off, will be charged in accordance with the rates from time to time published in the goods tariff of the Railway Administration and, in addition, for hauling loaded wagons over the siding to or from the Mills, the following charges will be made by the Railway, the distance for charge in all cases being for a minimum of 1 mile—

0 25 pie pei maund pei mile for jute, with the usual discount for bales

Classified rates as notified in the tariff for all other articles, including coal and coke or patent fuel

No charge will be made for hauling empty wagons over the siding

- 16 Wagons are to be made over at the Mills, and returned by the Mills in the form of certificate shown in Annexure A
- 17 Wagons will be hauled by the Railway to and from the Mill gates, or some other point fixed upon by the mutual consent of the applicants and

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APPENDIX 44-contd

the Railway Administration, the former undertaking to shunt the wagons from there to the Mill premises and back

- 18 The applicants will see that the rules and regulations of the Railway Administration are strictly adhered to by their employés, and will be responsible for all accidents or loss or damage that may ensue from the neglect or disobedience of such rules and regulations by the employés. It will be the duty of the applicants to obtain all such rules, and to see that their employés are made acquainted with them
- 19 As soon as the wagons are placed at the Mill gates, or any other point mutually agreed upon, the station master will, after filling up Parts I and II of Annexure A, have Part I signed by the consignee, and himself sign Part II, and make it over to the consignee with Part III, when they will be considered as made over to the Mills, and from that time the free time allowed to them will commence, similarly, the wagons will be considered as returned to the Railway Administration as soon as they are placed at the Mill gates, or some other appointed place, after being unloaded which will be intimated to the station master by the consignee on Part III of Annexure A, which will be filled up by the latter, and signed both by consignee and station master in each other's presence
- 20 The applicants will be held responsible for any damages which the wagons may sustain during the period they remain under their charge, and will be liable for the cost of re-railing wagons derailed on portions of the siding maintained by them and for repairs to the siding
- 21 The free time allowed to the applicants on wagons and the demurrage charges leviable will be governed by the rules issued from time to time in the Goods Tariff book of the Railway Administration
- 22 No traffic other than that which may properly be connected with the working of requirements of the Mill or industry of the applicants, shall, except with the written permission of the Railway Administration, be at any time taken or sent by the applicants over the siding. No consideration or remuneration of any nature, except such as may be contained in a written permission of the Railway Administration shall be received or taken by the applicants in respect of traffic over the siding

TO THE MANAGER,

| | | State Ranu | uy | | | |
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| DEAR SIR, | • | | | | | |
| | accept the above siding asked | | | | | a- |
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| | -S Ry -Voucher for consignments unloaded in | private sidings, | | PART III | CONSIGNEL'S CERTIFICATE AND RELEASE | Station Date | Hour | (z) (a) (b) (c) | EASED TIME TAERN DE | Date Hour Date Hour Date Hour | 4—concl | d | | | Consignee Consignee | ate Date |
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APPENDIX 45.

Rates and conditions for the carriage of coal for the general public and for State or other Railways.

Circular No RT 29.

RAILWAY BOARD.

RAILWAY TRAFFIC

To

THE SCORETARIES TO THE GOVERNMENTS OF MADRAS, BOMBAY AND BURMA, PUBLIC WORKS DEPARTMENT, RAILWAY BRANCH

THE SECRETARY TO THE GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT

THE SECRETARY TO THE GOVERNMENT OF BENGAL, MARINE DEPARTMENT

THE HONOURABLE THE CHIEF COMMISSIONER OF ASSIM

THE HONOURABLE THE RESIDENT AT HIDERABAD

THE HOVOURABLE THE AGENT TO THE GOVERNOL GENERAL FOR RAJPUTANA

THE ACCOUNTANT GENERAL, PUBLIC WORKS DEPARTMENT

THE CONSULTING ENGINEERS TO THE GOVERNMENT OF INDIA FOR RAILWAYS, CALCUTTA AND LUCKNOW

THE DIRECTOR GENERAL OF TELLGRAPHS

THE MANAGER, NORTH WESTERN, OLDH AND ROHILLHAND AND EASTERN BENGAL (STATE) RAILWAYS

Simla, the 26th August 1903

SIR,

In Government of India letter No 517 R T, dated the Sth July 1897, it was ruled that the rates quoted in the Schedules to Government of India Cheular No 8 Railway, dated the 4th May 1895, were maximum rates, the minimum rate on railways for which a minimum has been prescribed, being to the per maund per mile

2 The Railway Board consider that this minimum restricts trade in places distant from the coal-fields, and they accordingly authorise, subject to the conditions enumerated below, the adoption of the following minimum rates.—

For distances up to 300 miles
Plus for any distance in excess of 300 miles and up to
500 miles inclusive

Per maind per mile

To the pic or 0.10

To the pic or 0.066

Plus for any distance in excess of 500 miles ... -10th pie or 0 05

Condition 1—That the late shall be calculated on the through distance between the station of origin and the station of destination of the consignment

Condition 2—That when there are two or more routes to destination from the colliery where the traffic originates the railway or railways forming the longer route may calculate charges on the same mileage as the railway or railways forming the shorter route

Condition 3 —That eoal for the use of foreign railways is charged at the same rates and under the same conditions as coal earned for the public

Condition 4—That the rates charged are divided between the railways over which the traffic is carried in proportion to the mileage of each, provided that if the distance the coal is carried over any railway is less than 25 miles, the mileage of that railway in dividing the freight shall be reckoned as 25 miles.

Condition 5 —That these rates shall be subject to revision at the end of three years from the 1st of September 1905

APPENDIX 46.

Construction of wagon frames and bodies of wagons for State railways in India.

No R S 107-1

RAILWAY BOARD.

To

THE MANAGER, NORTH WESTERN RAILWAY
THE MANAGER, OUDH AND ROHILKHAND RAILWAY
THE MANAGER, EASTERN BENGAL RAILWAY

Dated Simla, the 11th September 1905

SIR,

I am directed to inform you that the Railway Board have received representations from various firms of Manufacturing Engineers in India, who ask that they may be given the opportunity of tendering for the construction of wagon frames and bodies in this country. After giving the matter their full consideration, the Railway Board have come to the conclusion that they are justified in placing Indian firms in a position to develop this class of work, and they desire that the arrangement indicated below shall be adopted and shall continue for a period of three years—

- 2 When sanction has been given to the purchase of goods stock, tenders shall be called for publicly in India for the supply of twenty-five per cent of the stock sanctioned
- 3 Tenders shall be confined to the supply of frames and bedies only The requisite wheels, axles, springs and draw-bars to complete the wagons shall be indented for from England, and shall be supplied by the railway administration to the firm whose tender has been accepted
 - 4 Tenders should be for wagons elected complete on lails
- 5 The firms tendering should bind themselves to deliver the wagons within a specified time
- 6 The work done and the material used shall be subject to the conditions laid down in Public Works Department Code, Volume II, Appendix 30, paragraph 7 Tenders shall be accepted only from firms whose names are entered in Schedule B attached to that Appendix, as corrected from time to time by order of the Government of India, and the work shall be subject to the specifications and tests prescribed in Schedule C attached to that appendix, and to the same kind of inspection as that provided for in tenders for similar work called for in England
- 7 Subject to the material being satisfactory, iron and steel of Indian manufacture should be used whenever possible
- 8 Tenders should be submitted by Managers to the Railway Board for approval before acceptance